

**NASA TECHNICAL
MEMORANDUM**



SUPPLEMENT PART II

NASA TM X-3431

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**TRANSONIC AERODYNAMIC CHARACTERISTICS
OF A SUPERCRITICAL-WING TRANSPORT MODEL
WITH TRAILING-EDGE CONTROLS**

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SUPPLEMENT (PART II) TO NASA TECHNICAL MEMORANDUM X-3431

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

RUN = 504 POINT = 1

TABLE 67

WING PRESSURE COEFFICIENTS

RUN = 504 POINT = 2

| (A) ALPHA = -.66 DEGREES | | | | | | (B) ALPHA = .32 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|--------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.026 | .296 | .581 | .699 | .506 | 0.00 | .010 | .252 | .547 | .719 | .607 |
| .05 | -.018 | -.171 | -.155 | .691 | -.007 | .05 | .012 | -.292 | -.342 | .721 | -.144 |
| .10 | -.173 | -.177 | -.260 | -.140 | -.064 | .10 | -.228 | -.286 | -.399 | -.306 | -.178 |
| .20 | -.191 | -.203 | -.207 | -.161 | -.107 | .20 | -.244 | -.288 | -.301 | -.254 | -.189 |
| .30 | -.161 | -.237 | -.207 | -.163 | -.128 | .30 | -.199 | -.297 | -.279 | -.238 | -.204 |
| .40 | -.155 | -.196 | -.160 | -.163 | -.170 | .40 | -.201 | -.250 | -.223 | -.217 | -.218 |
| .50 | -.151 | -.170 | -.147 | -.178 | -.191 | .50 | -.191 | -.211 | -.209 | -.229 | -.240 |
| .60 | -.113 | -.135 | -.137 | -.203 | -.208 | .60 | -.147 | -.164 | -.174 | -.246 | -.250 |
| .67 | | | -.102 | | | .67 | | | -.145 | | |
| .70 | -.066 | -.133 | | -.199 | -.240 | .70 | -.098 | -.162 | | -.240 | -.284 |
| .80 | -.044 | | | -.269 | -.301 | .80 | -.070 | | | -.308 | -.337 |
| .84 | | | .026 | | | .84 | | | .016 | | |
| .86 | | -.110 | | | | .86 | | -.125 | | | |
| .90 | | | | -.223 | -.284 | .90 | | | | -.261 | -.309 |
| .91 | -.042 | | | | | .91 | -.058 | | | | |
| .95 | -.044 | -.088 | -.145 | -.109 | -.132 | .95 | -.054 | -.088 | -.164 | -.144 | -.149 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.088 | -.291 | -.597 | -.868 | -1.054 | .05 | -.048 | -.168 | -.395 | -.551 | -.788 |
| .10 | -.159 | -.252 | -.535 | -.758 | -1.021 | .10 | -.121 | -.190 | -.385 | -.544 | -.700 |
| .20 | -.213 | -.162 | -.427 | -.522 | -.390 | .20 | -.177 | -.172 | -.335 | -.437 | -.398 |
| .30 | -.227 | -.305 | -.377 | -.398 | -.348 | .30 | -.197 | -.244 | -.325 | -.373 | -.301 |
| .40 | -.225 | -.303 | -.325 | -.373 | -.323 | .40 | -.189 | -.248 | -.285 | -.323 | -.295 |
| .50 | -.169 | -.270 | -.305 | -.284 | -.244 | .50 | -.151 | -.244 | -.267 | -.267 | -.227 |
| .60 | -.147 | -.203 | -.267 | -.200 | -.107 | .60 | -.123 | -.176 | -.244 | -.195 | -.109 |
| .67 | | | -.363 | | | .67 | | | -.352 | | |
| .70 | -.080 | -.047 | | .037 | .058 | .70 | -.070 | -.043 | | .045 | .068 |
| .80 | .036 | | | .163 | .159 | .80 | .044 | | | .214 | .174 |
| .84 | | | -.090 | | | .84 | | | -.063 | | |
| .86 | | .145 | | | | .86 | | .155 | | | |
| .90 | | | | .218 | .208 | .90 | | | | .279 | .224 |
| .91 | .120 | | | | | .91 | .121 | | | | |
| .95 | .114 | .163 | .221 | .221 | .214 | .95 | .112 | .165 | .256 | .277 | .231 |

RUN = 504 POINT = 3

TABLE 67 CONTINUED

RUN = 504 POINT = 4

| (C) ALPHA = 1.17 DEGREES | | | | | | (D) ALPHA = 2.01 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.002 | .212 | .510 | .732 | .669 | 0.00 | -.022 | .168 | .435 | .714 | .713 |
| .05 | -.079 | -.392 | -.486 | .728 | -.295 | .05 | -.084 | -.528 | -.663 | .712 | -.479 |
| .10 | -.274 | -.369 | -.517 | -.477 | -.278 | .10 | -.313 | -.469 | -.692 | -.683 | -.416 |
| .20 | -.274 | -.347 | -.359 | -.329 | -.265 | .20 | -.311 | -.413 | -.415 | -.399 | -.328 |
| .30 | -.236 | -.349 | -.320 | -.294 | -.247 | .30 | -.267 | -.409 | -.374 | -.325 | -.307 |
| .40 | -.230 | -.281 | -.256 | -.271 | -.257 | .40 | -.265 | -.337 | -.286 | -.314 | -.301 |
| .50 | -.217 | -.244 | -.231 | -.259 | -.278 | .50 | -.252 | -.267 | -.259 | -.300 | -.320 |
| .60 | -.171 | -.186 | -.198 | -.273 | -.272 | .60 | -.202 | -.210 | -.212 | -.298 | -.307 |
| .67 | | | -.153 | | | .67 | | | -.175 | | |
| .70 | -.114 | -.182 | | -.271 | -.303 | .70 | -.131 | -.199 | | -.298 | -.328 |
| .80 | -.079 | | | -.319 | -.364 | .80 | -.093 | | | -.325 | -.372 |
| .84 | | | .027 | | | .84 | | | .030 | | |
| .86 | | -.135 | | | | .86 | | -.133 | | | |
| .90 | | | | -.257 | -.320 | .90 | | | | -.244 | -.318 |
| .91 | -.061 | | | | | .91 | -.064 | | | | |
| .95 | -.057 | -.087 | -.159 | -.133 | -.158 | .95 | -.058 | -.078 | -.156 | -.114 | -.158 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.010 | -.087 | -.261 | -.373 | -.462 | .05 | .024 | .012 | -.087 | -.229 | -.254 |
| .10 | -.079 | -.114 | -.288 | -.420 | -.500 | .10 | -.044 | -.026 | -.176 | -.283 | -.353 |
| .20 | -.148 | -.143 | -.271 | -.346 | -.358 | .20 | -.109 | -.072 | -.203 | -.267 | -.274 |
| .30 | -.171 | -.184 | -.267 | -.319 | -.263 | .30 | -.127 | -.135 | -.205 | -.256 | -.225 |
| .40 | -.157 | -.211 | -.249 | -.280 | -.249 | .40 | -.123 | -.166 | -.200 | -.229 | -.195 |
| .50 | -.122 | -.198 | -.242 | -.228 | -.198 | .50 | -.086 | -.162 | -.205 | -.196 | -.168 |
| .60 | -.092 | -.145 | -.226 | -.177 | -.095 | .60 | -.066 | -.121 | -.196 | -.153 | -.071 |
| .67 | | | -.333 | | | .67 | | | -.314 | | |
| .70 | -.043 | -.019 | | .059 | .087 | .70 | -.018 | -.010 | | .069 | .101 |
| .80 | .064 | | | .236 | .229 | .80 | .087 | | | .250 | .261 |
| .84 | | | -.030 | | | .84 | | | -.016 | | |
| .86 | | .170 | | | | .86 | | .186 | | | |
| .90 | | | | .301 | .293 | .90 | | | | .317 | .322 |
| .91 | .139 | | | | | .91 | .158 | | | | |
| .95 | .127 | .174 | .267 | .290 | .282 | .95 | .135 | .186 | .279 | .296 | .307 |

| (E) ALPHA = 2.89 DEGREES | | | | | | (F) ALPHA = 3.32 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.054 | .069 | .364 | .671 | .725 | 0.00 | -.065 | .017 | .309 | .640 | .722 |
| .05 | -.143 | -.647 | -.984 | .667 | -.747 | .05 | -.185 | -.717 | -1.152 | .642 | -.908 |
| .10 | -.368 | -.562 | -.868 | -.984 | -.555 | .10 | -.400 | -.650 | -.962 | -1.087 | -.730 |
| .20 | -.356 | -.507 | -.503 | -.583 | -.397 | .20 | -.371 | -.552 | -.671 | -.494 | -.398 |
| .30 | -.308 | -.470 | -.423 | -.374 | -.332 | .30 | -.325 | -.502 | -.434 | -.373 | -.363 |
| .40 | -.301 | -.379 | -.317 | -.351 | -.336 | .40 | -.318 | -.404 | -.326 | -.373 | -.365 |
| .50 | -.295 | -.302 | -.290 | -.336 | -.365 | .50 | -.314 | -.322 | -.297 | -.346 | -.371 |
| .60 | -.230 | -.232 | -.241 | -.326 | -.342 | .60 | -.250 | -.248 | -.244 | -.332 | -.352 |
| .67 | | | -.189 | | | .67 | | | -.188 | | |
| .70 | -.159 | -.216 | | -.328 | -.351 | .70 | -.171 | -.219 | | -.334 | -.356 |
| .80 | -.111 | | | -.332 | -.378 | .80 | -.120 | | | -.328 | -.369 |
| .84 | | | .028 | | | .84 | | | .027 | | |
| .86 | | -.140 | | | | .86 | | -.136 | | | |
| .90 | | | | -.231 | -.298 | .90 | | | | -.228 | -.281 |
| .91 | -.076 | | | | | .91 | -.085 | | | | |
| .95 | -.068 | -.070 | -.150 | -.119 | -.138 | .95 | -.067 | -.064 | -.147 | -.106 | -.133 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .042 | .092 | .014 | -.101 | -.134 | .05 | .053 | .130 | .089 | -.025 | -.038 |
| .10 | -.011 | .049 | -.095 | -.186 | -.227 | .10 | .003 | .103 | -.048 | -.125 | -.158 |
| .20 | -.076 | -.006 | -.152 | -.198 | -.208 | .20 | -.055 | .056 | -.119 | -.156 | -.167 |
| .30 | -.105 | -.092 | -.167 | -.206 | -.195 | .30 | -.081 | -.066 | -.147 | -.172 | -.152 |
| .40 | -.088 | -.131 | -.163 | -.190 | -.168 | .40 | -.079 | -.108 | -.139 | -.166 | -.137 |
| .50 | -.064 | -.131 | -.175 | -.165 | -.145 | .50 | -.045 | -.114 | -.154 | -.150 | -.121 |
| .60 | -.044 | -.105 | -.175 | -.136 | -.065 | .60 | -.031 | -.091 | -.166 | -.127 | -.051 |
| .67 | | | -.301 | | | .67 | | | -.284 | | |
| .70 | -.005 | .004 | | .071 | .105 | .70 | .005 | .013 | | .085 | .104 |
| .80 | .097 | | | .250 | .268 | .80 | .106 | | | .257 | .262 |
| .84 | | | -.010 | | | .84 | | | .001 | | |
| .86 | | .187 | | | | .86 | | .202 | | | |
| .90 | | | | .313 | .321 | .90 | | | | .312 | .320 |
| .91 | .162 | | | | | .91 | .171 | | | | |
| .95 | .140 | .185 | .280 | .287 | .306 | .95 | .149 | .184 | .282 | .293 | .301 |

RUN = 504 POINT = 7

TABLE 67 CONTINUED

RUN = 504 POINT = 8

| (G) ALPHA = 3.85 DEGREES | | | | | | (H) ALPHA = 4.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.086 | -.039 | .270 | .601 | .717 | 0.00 | -.140 | -.136 | .149 | .537 | .676 |
| .05 | -.128 | -.825 | -1.298 | .597 | -1.046 | .05 | -.286 | -1.097 | -1.463 | .539 | -1.239 |
| .10 | -.426 | -.735 | -1.133 | -1.143 | -.964 | .10 | -.491 | -.865 | -1.389 | -1.341 | -1.168 |
| .20 | -.400 | -.583 | -.699 | -.589 | -.391 | .20 | -.438 | -.698 | -.990 | -1.228 | -.982 |
| .30 | -.351 | -.569 | -.443 | -.369 | -.392 | .30 | -.389 | -.660 | -.497 | -.581 | -.359 |
| .40 | -.345 | -.443 | -.339 | -.364 | -.385 | .40 | -.379 | -.532 | -.357 | -.367 | -.375 |
| .50 | -.325 | -.337 | -.304 | -.358 | -.387 | .50 | -.381 | -.379 | -.305 | -.338 | -.392 |
| .60 | -.272 | -.256 | -.250 | -.342 | -.358 | .60 | -.320 | -.287 | -.247 | -.326 | -.369 |
| .67 | | | -.186 | | | .67 | | | -.186 | | |
| .70 | -.185 | -.221 | | -.344 | -.364 | .70 | -.223 | -.239 | | -.330 | -.361 |
| .80 | -.134 | | | -.331 | -.364 | .80 | -.154 | | | -.315 | -.363 |
| .84 | | | .027 | | | .84 | | | .027 | | |
| .86 | | -.135 | | | | .86 | | -.134 | | | |
| .90 | | | | -.228 | -.270 | .90 | | | | -.212 | -.270 |
| .91 | -.088 | | | | | .91 | -.097 | | | | |
| .95 | -.072 | -.059 | -.151 | -.114 | -.122 | .95 | -.083 | -.054 | -.134 | -.102 | -.131 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .065 | .160 | .138 | .040 | .016 | .05 | .080 | .227 | .234 | .139 | .135 |
| .10 | .016 | .150 | -.004 | -.072 | -.101 | .10 | .045 | .200 | .083 | .017 | -.011 |
| .20 | -.035 | .107 | -.081 | -.118 | -.137 | .20 | -.004 | .159 | -.013 | -.067 | -.064 |
| .30 | -.062 | -.040 | -.126 | -.131 | -.139 | .30 | -.033 | .011 | -.075 | -.087 | -.072 |
| .40 | -.062 | -.085 | -.124 | -.139 | -.124 | .40 | -.029 | -.040 | -.104 | -.092 | -.083 |
| .50 | -.033 | -.096 | -.131 | -.135 | -.110 | .50 | .001 | -.060 | -.104 | -.100 | -.080 |
| .60 | -.015 | -.077 | -.151 | -.114 | -.042 | .60 | .009 | -.050 | -.125 | -.089 | -.015 |
| .67 | | | -.269 | | | .67 | | | -.245 | | |
| .70 | .016 | .021 | | .089 | .119 | .70 | .037 | .040 | | .098 | .121 |
| .80 | .112 | | | .264 | .277 | .80 | .132 | | | .272 | .279 |
| .84 | | | .022 | | | .84 | | | .029 | | |
| .86 | | .209 | | | | .86 | | .217 | | | |
| .90 | | | | .323 | .329 | .90 | | | | .331 | .331 |
| .91 | .176 | | | | | .91 | .185 | | | | |
| .95 | .150 | .189 | .283 | .308 | .311 | .95 | .159 | .190 | .286 | .306 | .314 |

| (I) ALPHA = 5.87 DEGREES | | | | | | (J) ALPHA = 7.78 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.184 | -.286 | .068 | .467 | .646 | 0.00 | -.301 | -.463 | -.137 | .343 | .554 |
| .05 | -.178 | -1.302 | -1.589 | .465 | -1.346 | .05 | -.414 | -1.509 | -1.420 | .345 | -1.448 |
| .10 | -.555 | -1.109 | -1.538 | -1.427 | -1.368 | .10 | -.693 | -1.483 | -1.379 | -.902 | -1.377 |
| .20 | -.486 | -.781 | -1.459 | -1.314 | -1.230 | .20 | -.577 | -1.150 | -1.184 | -.756 | -.906 |
| .30 | -.427 | -.712 | -.739 | -.831 | -.682 | .30 | -.500 | -.840 | -1.035 | -.651 | -.634 |
| .40 | -.423 | -.623 | -.375 | -.574 | -.336 | .40 | -.498 | -.557 | -.907 | -.638 | -.527 |
| .50 | -.427 | -.432 | -.290 | -.400 | -.346 | .50 | -.492 | -.412 | -.775 | -.570 | -.446 |
| .60 | -.368 | -.299 | -.235 | -.309 | -.332 | .60 | -.416 | -.343 | -.659 | -.432 | -.395 |
| .67 | | | -.186 | | | .67 | | | -.516 | | |
| .70 | -.265 | -.249 | | -.309 | -.329 | .70 | -.311 | -.294 | | -.434 | -.341 |
| .80 | -.178 | | | -.258 | -.327 | .80 | -.236 | | | -.327 | -.305 |
| .84 | | | .025 | | | .84 | | | .024 | | |
| .86 | | -.126 | | | | .86 | | -.148 | | | |
| .90 | | | | -.173 | -.245 | .90 | | | | -.290 | -.223 |
| .91 | -.122 | | | | | .91 | -.167 | | | | |
| .95 | -.103 | -.044 | -.118 | -.090 | -.121 | .95 | -.139 | -.067 | -.255 | -.265 | -.176 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .100 | .282 | .305 | .226 | .220 | .05 | .109 | .341 | .426 | .333 | .309 |
| .10 | .074 | .249 | .170 | .092 | .070 | .10 | .113 | .312 | .256 | .192 | .149 |
| .20 | .029 | .206 | .042 | .013 | .003 | .20 | .085 | .261 | .132 | .070 | .044 |
| .30 | .009 | .054 | -.019 | -.042 | -.028 | .30 | .065 | .108 | .045 | 0.000 | -.002 |
| .40 | .011 | 0.000 | -.052 | -.050 | -.049 | .40 | .065 | .059 | .014 | -.016 | -.042 |
| .50 | .029 | -.021 | -.065 | -.073 | -.049 | .50 | .077 | .018 | -.029 | -.080 | -.058 |
| .60 | .037 | -.021 | -.094 | -.076 | .001 | .60 | .081 | .016 | -.076 | -.103 | -.025 |
| .67 | | | -.212 | | | .67 | | | -.194 | | |
| .70 | .063 | .058 | | .112 | .140 | .70 | .091 | .071 | | .054 | .101 |
| .80 | .148 | | | .279 | .294 | .80 | .170 | | | .223 | .269 |
| .84 | | | .048 | | | .84 | | | .064 | | |
| .86 | | .229 | | | | .86 | | .224 | | | |
| .90 | | | | .332 | .334 | .90 | | | | .282 | .313 |
| .91 | .197 | | | | | .91 | .210 | | | | |
| .95 | .171 | .189 | .293 | .311 | .315 | .95 | .178 | .180 | .260 | .248 | .290 |

RUN = 504 POINT = 11

TABLE 67

CONTINUED

RUN = 504 POINT = 12

| (K) ALPHA = 9.68 DEGREES | | | | | | (L) ALPHA = 11.57 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|-------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.439 | -.707 | -.318 | .237 | .519 | 0.00 | -.594 | -.917 | -.470 | .129 | .481 |
| .05 | -.538 | -1.580 | -1.177 | .239 | -.815 | .05 | -.624 | -1.554 | -1.023 | .119 | -.516 |
| .10 | -.846 | -1.594 | -1.122 | -.776 | -.721 | .10 | -.971 | -1.473 | -.956 | -.668 | -.503 |
| .20 | -.654 | -1.497 | -1.024 | -.706 | -.610 | .20 | -.712 | -1.300 | -.944 | -.652 | -.478 |
| .30 | -.565 | -1.374 | -.957 | -.660 | -.537 | .30 | -.620 | -1.211 | -.918 | -.623 | -.470 |
| .40 | -.571 | -1.085 | -.893 | -.603 | -.489 | .40 | -.614 | -1.127 | -.871 | -.607 | -.449 |
| .50 | -.571 | -.341 | -.855 | -.564 | -.456 | .50 | -.515 | -1.048 | -.828 | -.600 | -.424 |
| .60 | -.445 | -.378 | -.802 | -.518 | -.433 | .60 | -.468 | -.934 | -.794 | -.557 | -.411 |
| .67 | | | -.757 | | | .67 | | | -.751 | | |
| .70 | -.376 | -.408 | | -.504 | -.402 | .70 | -.433 | -.785 | | -.561 | -.405 |
| .80 | -.325 | | | -.451 | -.383 | .80 | -.391 | | | -.514 | -.399 |
| .84 | | | .015 | | | .84 | | | .009 | | |
| .86 | | -.281 | | | | .86 | | -.568 | | | |
| .90 | | | | -.430 | -.360 | .90 | | | | -.501 | -.386 |
| .91 | -.226 | | | | | .91 | -.340 | | | | |
| .95 | -.183 | -.205 | -.569 | -.395 | -.341 | .95 | -.294 | -.442 | -.663 | -.473 | -.382 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .381 | .504 | .406 | .361 | .05 | .094 | .407 | .567 | .475 | .425 |
| .10 | .138 | .354 | .346 | .260 | .193 | .10 | .161 | .391 | .413 | .340 | .249 |
| .20 | .130 | .313 | .200 | .127 | .077 | .20 | .185 | .358 | .256 | .193 | .131 |
| .30 | .124 | .169 | .111 | .040 | .016 | .30 | .175 | .222 | .164 | .086 | .055 |
| .40 | .106 | .105 | .059 | .001 | -.042 | .40 | .169 | .153 | .098 | .034 | -.009 |
| .50 | .120 | .058 | -.010 | -.081 | -.074 | .50 | .167 | .105 | .030 | -.056 | -.051 |
| .60 | .108 | .033 | -.068 | -.120 | -.059 | .60 | .146 | .068 | -.057 | -.102 | -.057 |
| .67 | | | -.180 | | | .67 | | | -.160 | | |
| .70 | .114 | .080 | | .037 | .048 | .70 | .148 | .095 | | .030 | .049 |
| .80 | .183 | | | .205 | .214 | .80 | .199 | | | .195 | .211 |
| .84 | | | .067 | | | .84 | | | .048 | | |
| .86 | | .218 | | | | .86 | | .206 | | | |
| .90 | | | | .252 | .264 | .90 | | | | .245 | .247 |
| .91 | .213 | | | | | .91 | .217 | | | | |
| .95 | .171 | .165 | .212 | .222 | .218 | .95 | .169 | .120 | .181 | .216 | .209 |

RUN = 504 POINT = 13.

TABLE 67 CONCLUDED

| (M) ALPHA = -.18 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .292 | .575 | .719 | .563 |
| .05 | .011 | -.230 | -.238 | .719 | -.074 |
| .10 | -.196 | -.237 | -.323 | -.219 | -.106 |
| .20 | -.212 | -.243 | -.239 | -.192 | -.140 |
| .30 | -.176 | -.263 | -.234 | -.202 | -.165 |
| .40 | -.170 | -.216 | -.181 | -.183 | -.191 |
| .50 | -.164 | -.193 | -.179 | -.191 | -.207 |
| .60 | -.125 | -.142 | -.140 | -.216 | -.220 |
| .67 | | | -.124 | | |
| .70 | -.075 | -.152 | | -.216 | -.254 |
| .80 | -.057 | | | -.285 | -.319 |
| .84 | | | .029 | | |
| .86 | | -.111 | | | |
| .90 | | | | -.227 | -.283 |
| .91 | -.041 | | | | |
| .95 | -.043 | -.083 | -.144 | -.123 | -.131 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.061 | -.230 | -.492 | -.696 | -.932 |
| .10 | -.136 | -.023 | -.461 | -.657 | -.834 |
| .20 | -.186 | .144 | -.383 | -.504 | -.400 |
| .30 | -.206 | -.255 | -.345 | -.356 | -.324 |
| .40 | -.208 | -.273 | -.300 | -.337 | -.303 |
| .50 | -.156 | -.245 | -.275 | -.266 | -.228 |
| .60 | -.134 | -.177 | -.250 | -.193 | -.106 |
| .67 | | | -.167 | | |
| .70 | -.069 | -.035 | | .047 | .071 |
| .80 | .049 | | | .189 | .180 |
| .84 | | | .028 | | |
| .86 | | .154 | | | |
| .90 | | | | .246 | .218 |
| .91 | .128 | | | | |
| .95 | .122 | .167 | .248 | .258 | .221 |

RUN = 503 POINT = 1

TABLE 68

WING PRESSURE COEFFICIENTS

RUN = 503 POINT = 2

| (A) ALPHA = -.67 DEGREES | | | | | | (B) ALPHA = .33 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|--------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .297 | .604 | .714 | .563 | 0.00 | .005 | .271 | .572 | .739 | .637 |
| .05 | .004 | -.165 | -.144 | .721 | -.006 | .05 | .009 | -.264 | -.308 | .735 | -.136 |
| .10 | -.173 | -.175 | -.258 | -.162 | -.074 | .10 | -.223 | -.271 | -.370 | -.320 | -.181 |
| .20 | -.206 | -.204 | -.215 | -.171 | -.116 | .20 | -.241 | -.285 | -.297 | -.280 | -.197 |
| .30 | -.167 | -.235 | -.213 | -.171 | -.143 | .30 | -.202 | -.302 | -.281 | -.240 | -.208 |
| .40 | -.167 | -.196 | -.163 | -.169 | -.180 | .40 | -.200 | -.248 | -.214 | -.232 | -.230 |
| .50 | -.160 | -.171 | -.173 | -.182 | -.202 | .50 | -.195 | -.218 | -.212 | -.229 | -.244 |
| .60 | -.119 | -.134 | -.150 | -.217 | -.217 | .60 | -.154 | -.162 | -.181 | -.251 | -.260 |
| .67 | | | -.115 | | | .67 | | | -.135 | | |
| .70 | -.068 | -.144 | | -.219 | -.271 | .70 | -.099 | -.170 | | -.252 | -.306 |
| .80 | -.047 | | | -.302 | -.345 | .80 | -.064 | | | -.331 | -.367 |
| .84 | | | .026 | | | .84 | | | .034 | | |
| .86 | | -.115 | | | | .86 | | -.127 | | | |
| .90 | | | | -.234 | -.294 | .90 | | | | -.256 | -.298 |
| .91 | -.047 | | | | | .91 | -.059 | | | | |
| .95 | -.047 | -.086 | -.148 | -.105 | -.126 | .95 | -.051 | -.084 | -.158 | -.122 | -.114 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.081 | -.306 | -.616 | -.799 | -.912 | .05 | -.049 | -.187 | -.405 | -.577 | -.778 |
| .10 | -.163 | -.223 | -.575 | -.906 | -1.044 | .10 | -.112 | -.196 | -.416 | -.647 | -.858 |
| .20 | -.225 | -.101 | -.505 | -.757 | -.944 | .20 | -.185 | -.152 | -.386 | -.515 | -.706 |
| .30 | -.250 | -.319 | -.496 | -.516 | -.747 | .30 | -.218 | -.243 | -.379 | -.473 | -.293 |
| .40 | -.236 | -.331 | -.373 | -.513 | -.247 | .40 | -.196 | -.281 | -.328 | -.379 | -.304 |
| .50 | -.194 | -.329 | -.349 | -.280 | -.208 | .50 | -.154 | -.273 | -.302 | -.263 | -.226 |
| .60 | -.173 | -.219 | -.307 | -.186 | -.094 | .60 | -.133 | -.195 | -.285 | -.193 | -.094 |
| .67 | | | -.256 | | | .67 | | | -.258 | | |
| .70 | -.112 | -.060 | | .049 | .078 | .70 | -.080 | -.045 | | .065 | .092 |
| .80 | .017 | | | .166 | .211 | .80 | .042 | | | .223 | .198 |
| .84 | | | .023 | | | .84 | | | .025 | | |
| .86 | | .123 | | | | .86 | | .150 | | | |
| .90 | | | | .220 | .270 | .90 | | | | .284 | .248 |
| .91 | .107 | | | | | .91 | .130 | | | | |
| .95 | .111 | .156 | .232 | .240 | .259 | .95 | .124 | .168 | .260 | .286 | .255 |

| (C) ALPHA = 1.23 DEGREES | | | | | | (D) ALPHA = 2.05 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.007 | .224 | .528 | .737 | .689 | 0.00 | -.031 | .180 | .469 | .735 | .721 |
| .05 | -.064 | -.390 | -.459 | .739 | -.320 | .05 | -.115 | -.508 | -.707 | .726 | -.558 |
| .10 | -.269 | -.359 | -.546 | -.527 | -.305 | .10 | -.320 | -.466 | -.678 | -.765 | -.430 |
| .20 | -.275 | -.349 | -.406 | -.349 | -.278 | .20 | -.311 | -.441 | -.553 | -.397 | -.381 |
| .30 | -.236 | -.344 | -.329 | -.305 | -.273 | .30 | -.270 | -.459 | -.459 | -.307 | -.328 |
| .40 | -.240 | -.313 | -.244 | -.287 | -.283 | .40 | -.274 | -.378 | -.263 | -.320 | -.336 |
| .50 | -.240 | -.254 | -.246 | -.270 | -.298 | .50 | -.284 | -.286 | -.267 | -.309 | -.332 |
| .60 | -.190 | -.190 | -.209 | -.287 | -.300 | .60 | -.223 | -.219 | -.230 | -.321 | -.341 |
| .67 | | | -.159 | | | .67 | | | -.175 | | |
| .70 | -.121 | -.190 | | -.289 | -.338 | .70 | -.150 | -.205 | | -.323 | -.355 |
| .80 | -.087 | | | -.355 | -.423 | .80 | -.100 | | | -.353 | -.431 |
| .84 | | | .028 | | | .84 | | | .036 | | |
| .86 | | -.136 | | | | .86 | | -.138 | | | |
| .90 | | | | -.259 | -.314 | .90 | | | | -.233 | -.307 |
| .91 | -.072 | | | | | .91 | -.077 | | | | |
| .95 | -.060 | -.080 | -.161 | -.120 | -.126 | .95 | -.062 | -.076 | -.159 | -.105 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.016 | -.072 | -.235 | -.406 | -.531 | .05 | .014 | .020 | -.122 | -.241 | -.276 |
| .10 | -.091 | -.118 | -.294 | -.463 | -.602 | .10 | -.052 | -.019 | -.195 | -.316 | -.401 |
| .20 | -.150 | -.130 | -.302 | -.403 | -.432 | .20 | -.121 | -.062 | -.233 | -.314 | -.323 |
| .30 | -.177 | -.192 | -.305 | -.369 | -.293 | .30 | -.144 | -.149 | -.239 | -.290 | -.260 |
| .40 | -.161 | -.229 | -.276 | -.351 | -.267 | .40 | -.129 | -.182 | -.226 | -.287 | -.224 |
| .50 | -.123 | -.223 | -.269 | -.246 | -.207 | .50 | -.094 | -.186 | -.224 | -.215 | -.182 |
| .60 | -.102 | -.171 | -.256 | -.180 | -.092 | .60 | -.073 | -.142 | -.230 | -.171 | -.081 |
| .67 | | | -.254 | | | .67 | | | -.248 | | |
| .70 | -.054 | -.035 | | .076 | .097 | .70 | -.029 | -.017 | | .079 | .106 |
| .80 | .061 | | | .241 | .232 | .80 | .078 | | | .252 | .261 |
| .84 | | | .038 | | | .84 | | | .043 | | |
| .86 | | .170 | | | | .86 | | .176 | | | |
| .90 | | | | .301 | .297 | .90 | | | | .311 | .324 |
| .91 | .144 | | | | | .91 | .157 | | | | |
| .95 | .128 | .176 | .275 | .297 | .290 | .95 | .140 | .185 | .277 | .297 | .311 |

RUN = 503 POINT = 5

TABLE 68 CONTINUED

RUN = 503 POINT = 6

| (E) ALPHA = 2.98 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.054 | .094 | .405 | .696 | .739 | 0.00 | -.067 | .056 | .370 | .678 | .728 |
| .05 | -.140 | -.646 | -.974 | .685 | -.784 | .05 | -.156 | -.740 | -1.063 | .665 | -.859 |
| .10 | -.362 | -.595 | -.899 | -.927 | -.753 | .10 | -.392 | -.650 | -.994 | -.957 | -.888 |
| .20 | -.351 | -.524 | -.699 | -.848 | -.415 | .20 | -.374 | -.570 | -.764 | -.941 | -.760 |
| .30 | -.315 | -.518 | -.664 | -.301 | -.285 | .30 | -.323 | -.553 | -.751 | -.829 | -.206 |
| .40 | -.313 | -.467 | -.307 | -.263 | -.363 | .40 | -.325 | -.534 | -.407 | -.560 | -.269 |
| .50 | -.322 | -.371 | -.274 | -.277 | -.395 | .50 | -.348 | -.411 | -.281 | -.212 | -.356 |
| .60 | -.267 | -.242 | -.238 | -.332 | -.375 | .60 | -.298 | -.275 | -.235 | -.298 | -.367 |
| .67 | | | -.176 | | | .67 | | | -.171 | | |
| .70 | -.184 | -.215 | | -.332 | -.392 | .70 | -.210 | -.225 | | -.300 | -.390 |
| .80 | -.127 | | | -.375 | -.401 | .80 | -.133 | | | -.362 | -.408 |
| .84 | | | .026 | | | .84 | | | .029 | | |
| .86 | | -.136 | | | | .86 | | -.131 | | | |
| .90 | | | | -.246 | -.263 | .90 | | | | -.256 | -.273 |
| .91 | -.085 | | | | | .91 | -.091 | | | | |
| .95 | -.070 | -.060 | -.149 | -.113 | -.103 | .95 | -.074 | -.053 | -.140 | -.121 | -.107 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .033 | .075 | .012 | -.113 | -.121 | .05 | .053 | .126 | .060 | -.044 | -.057 |
| .10 | -.020 | .055 | -.091 | -.210 | -.249 | .10 | .003 | .103 | -.053 | -.152 | -.177 |
| .20 | -.087 | .003 | -.162 | -.226 | -.225 | .20 | -.065 | .058 | -.121 | -.183 | -.188 |
| .30 | -.106 | -.093 | -.182 | -.228 | -.206 | .30 | -.086 | -.073 | -.157 | -.196 | -.175 |
| .40 | -.102 | -.134 | -.177 | -.226 | -.182 | .40 | -.074 | -.111 | -.154 | -.201 | -.159 |
| .50 | -.064 | -.151 | -.186 | -.180 | -.150 | .50 | -.048 | -.123 | -.168 | -.166 | -.127 |
| .60 | -.047 | -.118 | -.202 | -.146 | -.069 | .60 | -.027 | -.100 | -.183 | -.134 | -.044 |
| .67 | | | -.243 | | | .67 | | | -.228 | | |
| .70 | -.006 | -.002 | | .088 | .112 | .70 | .007 | .014 | | .093 | .118 |
| .80 | .096 | | | .262 | .271 | .80 | .106 | | | .274 | .279 |
| .84 | | | .052 | | | .84 | | | .053 | | |
| .86 | | .187 | | | | .86 | | .198 | | | |
| .90 | | | | .320 | .334 | .90 | | | | .328 | .340 |
| .91 | .164 | | | | | .91 | .173 | | | | |
| .95 | .149 | .189 | .282 | .300 | .309 | .95 | .154 | .192 | .285 | .311 | .319 |

| (G) ALPHA = 3.89 DEGREES | | | | | | (H) ALPHA = 4.97 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.090 | -.002 | .316 | .655 | .717 | 0.00 | -.132 | -.090 | .238 | .597 | .707 |
| .05 | -.174 | -.866 | -1.134 | .657 | -.917 | .05 | -.241 | -1.089 | -1.257 | .605 | -1.028 |
| .10 | -.433 | -.741 | -1.109 | -1.019 | -.964 | .10 | -.492 | -.985 | -1.271 | -1.120 | -1.060 |
| .20 | -.398 | -.613 | -.929 | -1.008 | -.915 | .20 | -.444 | -.679 | -1.192 | -1.115 | -1.024 |
| .30 | -.350 | -.620 | -.789 | -.928 | -.825 | .30 | -.396 | -.682 | -.853 | -1.071 | -.988 |
| .40 | -.354 | -.593 | -.529 | -.739 | -.449 | .40 | -.388 | -.688 | -.711 | -1.009 | -.916 |
| .50 | -.385 | -.483 | -.324 | -.315 | -.276 | .50 | -.425 | -.575 | -.504 | -.829 | -.878 |
| .60 | -.341 | -.307 | -.239 | -.262 | -.314 | .60 | -.403 | -.415 | -.249 | -.348 | -.322 |
| .67 | | | -.178 | | | .67 | | | -.172 | | |
| .70 | -.247 | -.243 | | -.262 | -.370 | .70 | -.304 | -.273 | | -.269 | -.221 |
| .80 | -.168 | | | -.348 | -.406 | .80 | -.210 | | | -.277 | -.297 |
| .84 | | | .029 | | | .84 | | | .029 | | |
| .86 | | -.129 | | | | .86 | | -.127 | | | |
| .90 | | | | -.242 | -.292 | .90 | | | | -.203 | -.255 |
| .91 | -.101 | | | | | .91 | -.126 | | | | |
| .95 | -.082 | -.050 | -.129 | -.120 | -.121 | .95 | -.105 | -.042 | -.104 | -.101 | -.113 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .167 | .124 | 0.000 | .015 | .05 | .083 | .230 | .229 | .107 | .108 |
| .10 | .012 | .141 | .002 | -.098 | -.140 | .10 | .043 | .201 | .078 | -.010 | -.043 |
| .20 | -.050 | .106 | -.081 | -.154 | -.153 | .20 | -.010 | .155 | -.021 | -.087 | -.081 |
| .30 | -.069 | -.048 | -.136 | -.165 | -.148 | .30 | -.033 | 0.000 | -.079 | -.112 | -.088 |
| .40 | -.059 | -.085 | -.151 | -.174 | -.128 | .40 | -.021 | -.042 | -.114 | -.119 | -.090 |
| .50 | -.025 | -.104 | -.145 | -.149 | -.121 | .50 | .001 | -.063 | -.116 | -.116 | -.076 |
| .60 | -.019 | -.083 | -.167 | -.121 | -.036 | .60 | .010 | -.057 | -.139 | -.088 | -.007 |
| .67 | | | -.222 | | | .67 | | | -.209 | | |
| .70 | .016 | .011 | | .099 | .123 | .70 | .043 | .035 | | .115 | .142 |
| .80 | .117 | | | .270 | .283 | .80 | .138 | | | .295 | .302 |
| .84 | | | .055 | | | .84 | | | .064 | | |
| .86 | | .203 | | | | .86 | | .215 | | | |
| .90 | | | | .342 | .344 | .90 | | | | .350 | .356 |
| .91 | .180 | | | | | .91 | .193 | | | | |
| .95 | .152 | .188 | .286 | .308 | .324 | .95 | .165 | .190 | .295 | .336 | .340 |

RUN = 503 POINT = 9

TABLE 68 CONTINUED

RUN = 503 POINT = 11

| (I) ALPHA = 6.07 DEGREES | | | | | | (J) ALPHA = 7.10 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.182 | -.209 | .139 | .549 | .671 | 0.00 | -.254 | -.308 | .040 | .461 | .638 |
| .05 | -.266 | -1.286 | -1.360 | .546 | -1.117 | .05 | -.566 | -1.334 | -1.448 | .429 | -1.204 |
| .10 | -.584 | -1.206 | -1.394 | -1.207 | -1.145 | .10 | -.648 | -1.310 | -1.448 | -1.302 | -1.234 |
| .20 | -.502 | -.752 | -1.312 | -1.196 | -1.126 | .20 | -.556 | -.992 | -1.417 | -1.260 | -1.196 |
| .30 | -.427 | -.734 | -1.252 | -1.178 | -1.097 | .30 | -.453 | -.806 | -1.323 | -1.206 | -1.137 |
| .40 | -.436 | -.744 | -.750 | -1.119 | -1.057 | .40 | -.468 | -.785 | -.971 | -1.109 | -.919 |
| .50 | -.461 | -.659 | -.686 | -1.060 | -.997 | .50 | -.503 | -.724 | -.710 | -.944 | -.789 |
| .60 | -.469 | -.548 | -.318 | -.676 | -.833 | .60 | -.507 | -.643 | -.492 | -.578 | -.439 |
| .67 | | | -.207 | | | .67 | | | -.321 | | |
| .70 | -.392 | -.328 | | -.548 | -.323 | .70 | -.461 | -.373 | | -.578 | -.313 |
| .80 | -.281 | | | -.237 | -.189 | .80 | -.340 | | | -.350 | -.236 |
| .84 | | | .026 | | | .84 | | | .030 | | |
| .86 | | -.122 | | | | .86 | | -.126 | | | |
| .90 | | | | -.140 | -.132 | .90 | | | | -.236 | -.174 |
| .91 | -.170 | | | | | .91 | -.199 | | | | |
| .95 | -.142 | -.050 | -.071 | -.069 | -.060 | .95 | -.166 | -.058 | -.085 | -.198 | -.139 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .099 | .282 | .316 | .202 | .197 | .05 | .109 | .328 | .378 | .274 | .272 |
| .10 | .075 | .253 | .152 | .074 | .043 | .10 | .095 | .326 | .232 | .139 | .106 |
| .20 | .027 | .210 | .038 | -.014 | -.017 | .20 | .063 | .297 | .101 | .034 | .018 |
| .30 | .006 | .053 | -.027 | -.065 | -.045 | .30 | .042 | .102 | .030 | -.020 | -.026 |
| .40 | .014 | -.004 | -.069 | -.074 | -.054 | .40 | .052 | .048 | -.014 | -.034 | -.053 |
| .50 | .040 | -.025 | -.076 | -.082 | -.058 | .50 | .075 | .013 | -.045 | -.074 | -.065 |
| .60 | .048 | -.019 | -.111 | -.072 | .006 | .60 | .075 | .009 | -.091 | -.076 | -.024 |
| .67 | | | -.195 | | | .67 | | | -.162 | | |
| .70 | .069 | .057 | | .122 | .145 | .70 | .092 | .067 | | .102 | .108 |
| .80 | .151 | | | .292 | .298 | .80 | .170 | | | .274 | .272 |
| .84 | | | .069 | | | .84 | | | .090 | | |
| .86 | | .224 | | | | .86 | | .235 | | | |
| .90 | | | | .348 | .346 | .90 | | | | .322 | .321 |
| .91 | .206 | | | | | .91 | .219 | | | | |
| .95 | .174 | .189 | .294 | .337 | .337 | .95 | .181 | .195 | .296 | .288 | .287 |

RUN = 503 POINT = 12

TABLE 68 CONCLUDED

| | | (K) ALPHA = .33 DEGREES | | | |
|------|--------|-------------------------|-------|-------|-------|
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -0.000 | .267 | .569 | .740 | .628 |
| .05 | .003 | -.270 | -.314 | .738 | -.145 |
| .10 | -.221 | -.261 | -.387 | -.303 | -.179 |
| .20 | -.240 | -.286 | -.297 | -.256 | -.193 |
| .30 | -.202 | -.297 | -.282 | -.241 | -.202 |
| .40 | -.204 | -.251 | -.215 | -.217 | -.235 |
| .50 | -.196 | -.213 | -.202 | -.226 | -.251 |
| .60 | -.152 | -.163 | -.184 | -.254 | -.255 |
| .67 | | | -.136 | | |
| .70 | -.093 | -.169 | | -.248 | -.310 |
| .80 | -.065 | | | -.329 | -.382 |
| .84 | | | .031 | | |
| .86 | | -.125 | | | |
| .90 | | | | -.256 | -.298 |
| .91 | -.057 | | | | |
| .95 | -.051 | -.084 | -.152 | -.123 | -.111 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.046 | -.183 | -.422 | -.588 | -.774 |
| .10 | -.122 | -.009 | -.409 | -.628 | -.852 |
| .20 | -.181 | .121 | -.400 | -.507 | -.645 |
| .30 | -.204 | -.244 | -.369 | -.464 | -.291 |
| .40 | -.196 | -.267 | -.329 | -.385 | -.301 |
| .50 | -.152 | -.276 | -.298 | -.259 | -.228 |
| .60 | -.129 | -.194 | -.291 | -.193 | -.092 |
| .67 | | | -.184 | | |
| .70 | -.076 | -.044 | | .065 | .091 |
| .80 | .044 | | | .220 | .199 |
| .84 | | | .087 | | |
| .86 | | .152 | | | |
| .90 | | | | .284 | .251 |
| .91 | .130 | | | | |
| .95 | .122 | .172 | .266 | .293 | .249 |

RUN = 502 POINT = 1

TABLE 69

WING PRESSURE COEFFICIENTS

RUN = 502 POINT = 2

| (A) ALPHA = -.79 DEGREES | | | | | | (B) ALPHA = .25 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.009 | .298 | .609 | .719 | .573 | 0.00 | .004 | .271 | .580 | .743 | .647 |
| .05 | .011 | -.158 | -.143 | .715 | -.022 | .05 | -.048 | -.271 | -.296 | .738 | -.173 |
| .10 | -.184 | -.175 | -.255 | -.169 | -.075 | .10 | -.222 | -.267 | -.402 | -.329 | -.191 |
| .20 | -.201 | -.207 | -.207 | -.179 | -.121 | .20 | -.241 | -.279 | -.287 | -.281 | -.203 |
| .30 | -.175 | -.243 | -.219 | -.183 | -.145 | .30 | -.209 | -.298 | -.277 | -.257 | -.209 |
| .40 | -.167 | -.203 | -.158 | -.178 | -.179 | .40 | -.201 | -.268 | -.205 | -.235 | -.239 |
| .50 | -.162 | -.179 | -.175 | -.187 | -.207 | .50 | -.211 | -.218 | -.218 | -.232 | -.250 |
| .60 | -.116 | -.137 | -.154 | -.221 | -.234 | .60 | -.158 | -.163 | -.186 | -.261 | -.280 |
| .67 | | | -.114 | | | .67 | | | -.139 | | |
| .70 | -.071 | -.148 | | -.221 | -.284 | .70 | -.099 | -.175 | | -.259 | -.316 |
| .80 | -.046 | | | -.312 | -.391 | .80 | -.067 | | | -.349 | -.430 |
| .84 | | | .028 | | | .84 | | | .036 | | |
| .86 | | -.122 | | | | .86 | | -.131 | | | |
| .90 | | | | -.239 | -.307 | .90 | | | | -.261 | -.296 |
| .91 | -.048 | | | | | .91 | -.061 | | | | |
| .95 | -.046 | -.089 | -.147 | -.107 | -.121 | .95 | -.052 | -.084 | -.154 | -.114 | -.105 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.088 | -.300 | -.616 | -.764 | -.855 | .05 | -.050 | -.165 | -.394 | -.577 | -.736 |
| .10 | -.156 | -.220 | -.585 | -.869 | -.991 | .10 | -.118 | -.184 | -.413 | -.655 | -.854 |
| .20 | -.228 | -.093 | -.529 | -.753 | -.953 | .20 | -.182 | -.143 | -.409 | -.545 | -.742 |
| .30 | -.254 | -.325 | -.504 | -.654 | -.867 | .30 | -.218 | -.239 | -.409 | -.492 | -.594 |
| .40 | -.241 | -.363 | -.473 | -.601 | -.605 | .40 | -.201 | -.285 | -.362 | -.514 | -.259 |
| .50 | -.198 | -.384 | -.370 | -.259 | -.139 | .50 | -.158 | -.290 | -.329 | -.246 | -.209 |
| .60 | -.175 | -.249 | -.341 | -.177 | -.059 | .60 | -.135 | -.215 | -.311 | -.180 | -.086 |
| .67 | | | -.275 | | | .67 | | | -.273 | | |
| .70 | -.126 | -.070 | | .066 | .101 | .70 | -.086 | -.051 | | .071 | .099 |
| .80 | .007 | | | .190 | .243 | .80 | .037 | | | .225 | .225 |
| .84 | | | .011 | | | .84 | | | .013 | | |
| .86 | | .119 | | | | .86 | | .145 | | | |
| .90 | | | | .250 | .300 | .90 | | | | .285 | .282 |
| .91 | .107 | | | | | .91 | .128 | | | | |
| .95 | .111 | .153 | .234 | .266 | .284 | .95 | .120 | .170 | .259 | .280 | .276 |

RUN = 502 POINT = 3

TABLE 69 CONTINUED

RUN = 502 POINT = 4

| (C) ALPHA = 1.16 DEGREES | | | | | | (D) ALPHA = 2.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.006 | .229 | .538 | .742 | .693 | 0.00 | -.026 | .180 | .481 | .732 | .724 |
| .05 | -.059 | -.370 | -.450 | .744 | -.313 | .05 | -.120 | -.486 | -.712 | .729 | -.575 |
| .10 | -.272 | -.361 | -.555 | -.560 | -.308 | .10 | -.311 | -.469 | -.702 | -.724 | -.472 |
| .20 | -.281 | -.355 | -.454 | -.403 | -.275 | .20 | -.316 | -.439 | -.566 | -.654 | -.349 |
| .30 | -.242 | -.394 | -.327 | -.319 | -.275 | .30 | -.273 | -.445 | -.581 | -.257 | -.321 |
| .40 | -.238 | -.349 | -.238 | -.294 | -.295 | .40 | -.277 | -.415 | -.254 | -.243 | -.335 |
| .50 | -.245 | -.257 | -.248 | -.272 | -.306 | .50 | -.292 | -.343 | -.254 | -.286 | -.374 |
| .60 | -.189 | -.198 | -.217 | -.303 | -.309 | .60 | -.235 | -.222 | -.230 | -.324 | -.385 |
| .67 | | | -.153 | | | .67 | | | -.165 | | |
| .70 | -.121 | -.193 | | -.307 | -.334 | .70 | -.163 | -.205 | | -.324 | -.351 |
| .80 | -.091 | | | -.368 | -.468 | .80 | -.105 | | | -.392 | -.435 |
| .84 | | | .035 | | | .84 | | | .037 | | |
| .86 | | -.138 | | | | .86 | | -.137 | | | |
| .90 | | | | -.252 | -.295 | .90 | | | | -.307 | -.285 |
| .91 | -.070 | | | | | .91 | -.077 | | | | |
| .95 | -.062 | -.081 | -.157 | -.111 | -.104 | .95 | -.065 | -.072 | -.158 | -.100 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.017 | -.081 | -.258 | -.404 | -.557 | .05 | .012 | .016 | -.107 | -.253 | -.274 |
| .10 | -.083 | -.119 | -.303 | -.486 | -.632 | .10 | -.049 | -.028 | -.174 | -.335 | -.429 |
| .20 | -.153 | -.128 | -.316 | -.419 | -.482 | .20 | -.116 | -.070 | -.230 | -.340 | -.335 |
| .30 | -.176 | -.195 | -.312 | -.404 | -.331 | .30 | -.146 | -.139 | -.252 | -.324 | -.274 |
| .40 | -.164 | -.229 | -.297 | -.433 | -.259 | .40 | -.131 | -.184 | -.235 | -.315 | -.241 |
| .50 | -.124 | -.234 | -.278 | -.245 | -.206 | .50 | -.092 | -.198 | -.239 | -.224 | -.182 |
| .60 | -.106 | -.178 | -.276 | -.183 | -.088 | .60 | -.075 | -.150 | -.246 | -.164 | -.079 |
| .67 | | | -.274 | | | .67 | | | -.268 | | |
| .70 | -.060 | -.042 | | .075 | .105 | .70 | -.034 | -.017 | | .084 | .111 |
| .80 | .061 | | | .244 | .240 | .80 | .078 | | | .251 | .261 |
| .84 | | | .019 | | | .84 | | | .026 | | |
| .86 | | .161 | | | | .86 | | .177 | | | |
| .90 | | | | .300 | .298 | .90 | | | | .314 | .325 |
| .91 | .142 | | | | | .91 | .155 | | | | |
| .95 | .131 | .177 | .269 | .298 | .298 | .95 | .142 | .185 | .276 | .297 | .318 |

RUN = 502 POINT = 5

TABLE 69 CONTINUED

RUN = 502 POINT = 6

| (E) ALPHA = 2.97 DEGREES | | | | | | (F) ALPHA = 3.49 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.053 | .098 | .409 | .698 | .735 | 0.00 | -.071 | .056 | .387 | .683 | .729 |
| .05 | -.119 | -.633 | -.929 | .698 | -.749 | .05 | -.188 | -.721 | -1.008 | .685 | -.804 |
| .10 | -.361 | -.587 | -.872 | -.841 | -.790 | .10 | -.405 | -.637 | -.966 | -.910 | -.854 |
| .20 | -.351 | -.516 | -.721 | -.840 | -.701 | .20 | -.384 | -.540 | -.819 | -.908 | -.811 |
| .30 | -.302 | -.539 | -.700 | -.760 | -.596 | .30 | -.337 | -.570 | -.736 | -.868 | -.745 |
| .40 | -.312 | -.532 | -.447 | -.432 | -.181 | .40 | -.333 | -.547 | -.554 | -.810 | -.669 |
| .50 | -.334 | -.412 | -.310 | -.188 | -.308 | .50 | -.365 | -.460 | -.415 | -.372 | -.200 |
| .60 | -.291 | -.289 | -.231 | -.280 | -.374 | .60 | -.329 | -.337 | -.252 | -.237 | -.242 |
| .67 | | | -.166 | | | .67 | | | -.169 | | |
| .70 | -.208 | -.236 | | -.278 | -.413 | .70 | -.237 | -.248 | | -.242 | -.347 |
| .80 | -.140 | | | -.408 | -.498 | .80 | -.163 | | | -.356 | -.449 |
| .84 | | | .033 | | | .84 | | | .034 | | |
| .86 | | -.136 | | | | .86 | | -.129 | | | |
| .90 | | | | -.298 | -.265 | .90 | | | | -.259 | -.287 |
| .91 | -.095 | | | | | .91 | -.101 | | | | |
| .95 | -.078 | -.058 | -.144 | -.121 | -.096 | .95 | -.080 | -.047 | -.127 | -.122 | -.109 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .034 | .082 | .015 | -.115 | -.112 | .05 | .046 | .129 | .061 | -.057 | -.067 |
| .10 | -.021 | .042 | -.097 | -.218 | -.269 | .10 | .001 | .097 | -.053 | -.167 | -.207 |
| .20 | -.083 | -.010 | -.157 | -.238 | -.251 | .20 | -.060 | .049 | -.129 | -.197 | -.198 |
| .30 | -.108 | -.096 | -.191 | -.255 | -.217 | .30 | -.082 | -.063 | -.167 | -.214 | -.184 |
| .40 | -.102 | -.132 | -.193 | -.256 | -.185 | .40 | -.082 | -.110 | -.154 | -.226 | -.153 |
| .50 | -.059 | -.151 | -.200 | -.193 | -.148 | .50 | -.045 | -.131 | -.176 | -.168 | -.123 |
| .60 | -.048 | -.121 | -.213 | -.142 | -.062 | .60 | -.030 | -.105 | -.201 | -.132 | -.045 |
| .67 | | | -.260 | | | .67 | | | -.251 | | |
| .70 | -.010 | -.008 | | .092 | .114 | .70 | .003 | .011 | | .104 | .132 |
| .80 | .096 | | | .267 | .276 | .80 | .108 | | | .277 | .286 |
| .84 | | | .031 | | | .84 | | | .043 | | |
| .86 | | .190 | | | | .86 | | .204 | | | |
| .90 | | | | .319 | .329 | .90 | | | | .335 | .340 |
| .91 | .168 | | | | | .91 | .176 | | | | |
| .95 | .151 | .188 | .281 | .312 | .321 | .95 | .155 | .190 | .287 | .316 | .337 |

RUN = 502 POINT = 7

TABLE 69 CONTINUED

RUN = 502 POINT = 8

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.095 | .017 | .340 | .664 | .730 | 0.00 | -.130 | -.070 | .270 | .618 | .718 |
| .05 | -.193 | -.842 | -1.078 | .666 | -.850 | .05 | -.281 | -1.063 | -1.186 | .620 | -.945 |
| .10 | -.423 | -.733 | -1.074 | -.957 | -.900 | .10 | -.511 | -.972 | -1.225 | -1.031 | -.993 |
| .20 | -.401 | -.574 | -.927 | -.976 | -.870 | .20 | -.454 | -.652 | -1.142 | -1.045 | -.954 |
| .30 | -.350 | -.618 | -.785 | -.939 | -.849 | .30 | -.384 | -.662 | -.857 | -1.031 | -.945 |
| .40 | -.348 | -.613 | -.636 | -.881 | -.826 | .40 | -.388 | -.674 | -.732 | -1.015 | -.931 |
| .50 | -.389 | -.532 | -.518 | -.713 | -.747 | .50 | -.411 | -.596 | -.681 | -.962 | -.922 |
| .60 | -.361 | -.392 | -.278 | -.305 | -.175 | .60 | -.403 | -.517 | -.445 | -.751 | -.858 |
| .67 | | | -.178 | | | .67 | | | -.222 | | |
| .70 | -.274 | -.282 | | -.239 | -.246 | .70 | -.348 | -.362 | | -.585 | -.639 |
| .80 | -.193 | | | -.322 | -.370 | .80 | -.258 | | | -.257 | -.202 |
| .84 | | | .032 | | | .84 | | | .033 | | |
| .86 | | -.136 | | | | .86 | | -.135 | | | |
| .90 | | | | -.237 | -.290 | .90 | | | | -.178 | -.177 |
| .91 | -.121 | | | | | .91 | -.156 | | | | |
| .95 | -.093 | -.045 | -.121 | -.119 | -.125 | .95 | -.122 | -.050 | -.094 | -.086 | -.085 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .062 | .156 | .127 | -.013 | -.006 | .05 | .078 | .224 | .216 | .096 | .085 |
| .10 | .015 | .135 | -.010 | -.116 | -.146 | .10 | .046 | .201 | .071 | -.025 | -.064 |
| .20 | -.048 | .095 | -.092 | -.166 | -.155 | .20 | -.008 | .150 | -.031 | -.095 | -.094 |
| .30 | -.065 | -.041 | -.143 | -.184 | -.153 | .30 | -.028 | .008 | -.084 | -.135 | -.099 |
| .40 | -.061 | -.085 | -.156 | -.190 | -.135 | .40 | -.023 | -.040 | -.120 | -.131 | -.090 |
| .50 | -.029 | -.110 | -.161 | -.159 | -.116 | .50 | .005 | -.071 | -.124 | -.119 | -.076 |
| .60 | -.016 | -.091 | -.179 | -.118 | -.033 | .60 | .012 | -.065 | -.156 | -.097 | -.002 |
| .67 | | | -.242 | | | .67 | | | -.230 | | |
| .70 | .017 | .017 | | .106 | .134 | .70 | .040 | .029 | | .123 | .158 |
| .80 | .115 | | | .279 | .297 | .80 | .134 | | | .296 | .305 |
| .84 | | | .048 | | | .84 | | | .053 | | |
| .86 | | .200 | | | | .86 | | .213 | | | |
| .90 | | | | .336 | .352 | .90 | | | | .335 | .363 |
| .91 | .177 | | | | | .91 | .194 | | | | |
| .95 | .156 | .189 | .287 | .336 | .334 | .95 | .166 | .184 | .288 | .333 | .350 |

RUN = 502 POINT = 9

TABLE 69 CONTINUED

RUN = 502 POINT = 10

| (I) ALPHA = 6.08 DEGREES | | | | | | (J) ALPHA = 7.11 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.185 | -.164 | .192 | .568 | .682 | 0.00 | -.229 | -.253 | .089 | .507 | .665 |
| .05 | -.191 | -1.236 | -1.299 | .559 | -1.040 | .05 | -.231 | -1.292 | -1.371 | .494 | -1.118 |
| .10 | -.568 | -1.166 | -1.321 | -1.140 | -1.074 | .10 | -.660 | -1.267 | -1.381 | -1.210 | -1.157 |
| .20 | -.511 | -.741 | -1.266 | -1.138 | -1.060 | .20 | -.545 | -.971 | -1.341 | -1.210 | -1.139 |
| .30 | -.413 | -.714 | -1.209 | -1.128 | -1.028 | .30 | -.442 | -.811 | -1.283 | -1.199 | -1.097 |
| .40 | -.428 | -.731 | -.712 | -1.106 | -1.019 | .40 | -.455 | -.754 | -1.011 | -1.167 | -1.033 |
| .50 | -.462 | -.671 | -.752 | -1.077 | -.989 | .50 | -.487 | -.712 | -.814 | -1.114 | -.951 |
| .60 | -.455 | -.624 | -.643 | -1.007 | -.944 | .60 | -.496 | -.682 | -.624 | -.860 | -.637 |
| .67 | | | -.291 | | | .67 | | | -.405 | | |
| .70 | -.425 | -.495 | | -.913 | -.733 | .70 | -.489 | -.578 | | -.756 | -.416 |
| .80 | -.338 | | | -.415 | -.324 | .80 | -.406 | | | -.442 | -.326 |
| .84 | | | .025 | | | .84 | | | .022 | | |
| .86 | | -.140 | | | | .86 | | -.154 | | | |
| .90 | | | | -.216 | -.126 | .90 | | | | -.311 | -.242 |
| .91 | -.208 | | | | | .91 | -.263 | | | | |
| .95 | -.172 | -.069 | -.071 | -.074 | -.078 | .95 | -.210 | -.080 | -.089 | -.233 | -.201 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .285 | .300 | .182 | .173 | .05 | .110 | .320 | .378 | .250 | .241 |
| .10 | .076 | .251 | .146 | .047 | .032 | .10 | .095 | .293 | .209 | .123 | .082 |
| .20 | .030 | .205 | .038 | -.040 | -.034 | .20 | .058 | .253 | .082 | .021 | .008 |
| .30 | .006 | .050 | -.042 | -.078 | -.057 | .30 | .048 | .093 | .014 | -.034 | -.035 |
| .40 | .006 | -.004 | -.080 | -.097 | -.068 | .40 | .046 | .034 | -.034 | -.061 | -.067 |
| .50 | .038 | -.037 | -.088 | -.105 | -.066 | .50 | .065 | .007 | -.057 | -.086 | -.083 |
| .60 | .046 | -.037 | -.126 | -.084 | -.015 | .60 | .069 | -.009 | -.102 | -.090 | -.039 |
| .67 | | | -.216 | | | .67 | | | -.203 | | |
| .70 | .062 | .048 | | .122 | .142 | .70 | .088 | .061 | | .100 | .105 |
| .80 | .151 | | | .290 | .295 | .80 | .165 | | | .269 | .257 |
| .84 | | | .052 | | | .84 | | | .062 | | |
| .86 | | .222 | | | | .86 | | .225 | | | |
| .90 | | | | .348 | .350 | .90 | | | | .320 | .308 |
| .91 | .205 | | | | | .91 | .212 | | | | |
| .95 | .170 | .178 | .291 | .331 | .322 | .95 | .176 | .186 | .288 | .289 | .276 |

RUN = 502 POINT = 11

TABLE 69 CONCLUDED

| | (K) ETA .1902 | ALPHA = ETA .2929 | .33 DEGREES | | |
|------|------------------|-------------------------|--------------|--------------|--------------|
| | | | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.006 | .273 | .576 | .740 | .647 |
| .05 | -0.000 | -.263 | -.293 | .743 | -.163 |
| .10 | -.223 | -.259 | -.404 | -.305 | -.180 |
| .20 | -.236 | -.280 | -.284 | -.268 | -.193 |
| .30 | -.210 | -.299 | -.278 | -.251 | -.209 |
| .40 | -.210 | -.265 | -.212 | -.217 | -.235 |
| .50 | -.204 | -.220 | -.210 | -.224 | -.257 |
| .60 | -.156 | -.165 | -.195 | -.260 | -.273 |
| .67 | | | -.135 | | |
| .70 | -.095 | -.169 | | -.259 | -.326 |
| .80 | -.066 | | | -.347 | -.429 |
| .84 | | | .033 | | |
| .86 | | -.129 | | | |
| .90 | | | | -.259 | -.287 |
| .91 | -.062 | | | | |
| .95 | -.056 | -.084 | -.154 | -.115 | -.106 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.049 | -.173 | -.406 | -.568 | -.741 |
| .10 | -.120 | -.025 | -.410 | -.634 | -.863 |
| .20 | -.182 | .092 | -.406 | -.559 | -.727 |
| .30 | -.218 | -.243 | -.417 | -.489 | -.569 |
| .40 | -.204 | -.288 | -.354 | -.512 | -.258 |
| .50 | -.157 | -.303 | -.327 | -.244 | -.212 |
| .60 | -.137 | -.207 | -.311 | -.182 | -.090 |
| .67 | | | -.212 | | |
| .70 | -.090 | -.053 | | .073 | .097 |
| .80 | .035 | | | .224 | .221 |
| .84 | | | .067 | | |
| .86 | | .146 | | | |
| .90 | | | | .284 | .275 |
| .91 | .127 | | | | |
| .95 | .121 | .167 | .262 | .293 | .275 |

RUN = 501 POINT = 1

TABLE 70

WING PRESSURE COEFFICIENTS

RUN = 501 POINT = 2

| (A) ALPHA = -.72 DEGREES | | | | | | (B) ALPHA = .30 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .004 | .308 | .626 | .756 | .651 | 0.00 | .003 | .275 | .598 | .768 | .673 |
| .05 | .008 | -.155 | -.130 | .754 | 0.000 | .05 | -.053 | -.254 | -.286 | .768 | -.156 |
| .10 | -.178 | -.162 | -.254 | -.163 | -.067 | .10 | -.224 | -.251 | -.414 | -.333 | -.185 |
| .20 | -.195 | -.202 | -.207 | -.180 | -.124 | .20 | -.243 | -.283 | -.376 | -.286 | -.208 |
| .30 | -.166 | -.239 | -.222 | -.176 | -.160 | .30 | -.211 | -.319 | -.317 | -.250 | -.211 |
| .40 | -.164 | -.207 | -.157 | -.174 | -.195 | .40 | -.205 | -.275 | -.197 | -.250 | -.256 |
| .50 | -.155 | -.172 | -.176 | -.182 | -.221 | .50 | -.209 | -.220 | -.216 | -.226 | -.270 |
| .60 | -.111 | -.130 | -.161 | -.229 | -.248 | .60 | -.158 | -.167 | -.205 | -.270 | -.294 |
| .67 | | | -.109 | | | .67 | | | -.136 | | |
| .70 | -.065 | -.145 | | -.228 | -.299 | .70 | -.096 | -.174 | | -.268 | -.329 |
| .80 | -.044 | | | -.339 | -.431 | .80 | -.064 | | | -.388 | -.442 |
| .84 | | | .042 | | | .84 | | | .037 | | |
| .86 | | -.117 | | | | .86 | | -.131 | | | |
| .90 | | | | -.240 | -.320 | .90 | | | | -.283 | -.299 |
| .91 | -.050 | | | | | .91 | -.064 | | | | |
| .95 | -.048 | -.077 | -.144 | -.085 | -.105 | .95 | -.056 | -.073 | -.157 | -.098 | -.095 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.086 | -.308 | -.616 | -.724 | -.853 | .05 | -.049 | -.176 | -.397 | -.554 | -.706 |
| .10 | -.153 | -.218 | -.561 | -.834 | -.994 | .10 | -.109 | -.188 | -.420 | -.663 | -.833 |
| .20 | -.229 | -.075 | -.530 | -.773 | -.981 | .20 | -.188 | -.142 | -.413 | -.587 | -.775 |
| .30 | -.259 | -.331 | -.510 | -.693 | -.954 | .30 | -.222 | -.256 | -.422 | -.554 | -.699 |
| .40 | -.250 | -.361 | -.506 | -.707 | -.893 | .40 | -.203 | -.292 | -.413 | -.587 | -.479 |
| .50 | -.195 | -.399 | -.482 | -.586 | -.212 | .50 | -.160 | -.336 | -.342 | -.304 | -.170 |
| .60 | -.181 | -.304 | -.350 | -.143 | -.044 | .60 | -.143 | -.233 | -.324 | -.165 | -.060 |
| .67 | | | -.281 | | | .67 | | | -.279 | | |
| .70 | -.138 | -.073 | | .091 | .121 | .70 | -.098 | -.058 | | .086 | .122 |
| .80 | 0.000 | | | .218 | .269 | .80 | .031 | | | .234 | .260 |
| .84 | | | .007 | | | .84 | | | .008 | | |
| .86 | | .113 | | | | .86 | | .146 | | | |
| .90 | | | | .292 | .326 | .90 | | | | .287 | .328 |
| .91 | .108 | | | | | .91 | .127 | | | | |
| .95 | .112 | .159 | .241 | .312 | .316 | .95 | .123 | .167 | .267 | .287 | .315 |

| (C) ALPHA = 1.18 DEGREES | | | | | | (D) ALPHA = 1.99 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.011 | .237 | .552 | .762 | .705 | 0.00 | -.026 | .187 | .504 | .751 | .731 |
| .05 | -.101 | -.369 | -.482 | .755 | -.305 | .05 | -.114 | -.477 | -.658 | .748 | -.580 |
| .10 | -.254 | -.337 | -.531 | -.532 | -.297 | .10 | -.317 | -.452 | -.672 | -.682 | -.594 |
| .20 | -.271 | -.352 | -.467 | -.382 | -.274 | .20 | -.324 | -.433 | -.564 | -.670 | -.379 |
| .30 | -.241 | -.378 | -.459 | -.287 | -.272 | .30 | -.274 | -.456 | -.600 | -.565 | -.176 |
| .40 | -.239 | -.334 | -.211 | -.260 | -.293 | .40 | -.274 | -.445 | -.368 | -.272 | -.308 |
| .50 | -.252 | -.281 | -.238 | -.252 | -.311 | .50 | -.302 | -.356 | -.273 | -.214 | -.363 |
| .60 | -.197 | -.185 | -.230 | -.299 | -.332 | .60 | -.251 | -.247 | -.226 | -.284 | -.402 |
| .67 | | | -.154 | | | .67 | | | -.152 | | |
| .70 | -.124 | -.188 | | -.303 | -.355 | .70 | -.167 | -.211 | | -.283 | -.434 |
| .80 | -.086 | | | -.429 | -.484 | .80 | -.118 | | | -.423 | -.554 |
| .84 | | | .043 | | | .84 | | | .039 | | |
| .86 | | -.137 | | | | .86 | | -.135 | | | |
| .90 | | | | -.346 | -.284 | .90 | | | | -.342 | -.209 |
| .91 | -.067 | | | | | .91 | -.076 | | | | |
| .95 | -.061 | -.069 | -.158 | -.083 | -.089 | .95 | -.065 | -.061 | -.156 | -.092 | -.072 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.016 | -.077 | -.249 | -.406 | -.536 | .05 | .016 | .006 | -.117 | -.252 | -.312 |
| .10 | -.078 | -.113 | -.301 | -.493 | -.635 | .10 | -.050 | -.035 | -.189 | -.356 | -.487 |
| .20 | -.160 | -.120 | -.325 | -.446 | -.555 | .20 | -.127 | -.075 | -.241 | -.347 | -.382 |
| .30 | -.184 | -.187 | -.345 | -.415 | -.465 | .30 | -.144 | -.141 | -.265 | -.342 | -.310 |
| .40 | -.169 | -.236 | -.317 | -.485 | -.227 | .40 | -.137 | -.190 | -.256 | -.401 | -.245 |
| .50 | -.124 | -.249 | -.305 | -.213 | -.192 | .50 | -.093 | -.199 | -.265 | -.212 | -.195 |
| .60 | -.107 | -.187 | -.299 | -.167 | -.079 | .60 | -.078 | -.156 | -.263 | -.163 | -.079 |
| .67 | | | -.274 | | | .67 | | | -.275 | | |
| .70 | -.063 | -.037 | | .089 | .119 | .70 | -.041 | -.025 | | .085 | .117 |
| .80 | .058 | | | .244 | .255 | .80 | .076 | | | .254 | .263 |
| .84 | | | .020 | | | .84 | | | .035 | | |
| .86 | | .159 | | | | .86 | | .172 | | | |
| .90 | | | | .306 | .323 | .90 | | | | .312 | .329 |
| .91 | .143 | | | | | .91 | .159 | | | | |
| .95 | .139 | .182 | .279 | .306 | .318 | .95 | .140 | .190 | .285 | .300 | .315 |

RUN = 501 POINT = 5

TABLE 70 CONTINUED

RUN = 501 POINT = 6

| (E) ALPHA = 2.99 DEGREES | | | | | | (F) ALPHA = 3.50 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.047 | .118 | .443 | .729 | .741 | 0.00 | -.067 | .075 | .415 | .715 | .743 |
| .05 | -.224 | -.618 | -.872 | .734 | -.705 | .05 | -.250 | -.739 | -.980 | .713 | -.746 |
| .10 | -.381 | -.581 | -.849 | -.801 | -.737 | .10 | -.416 | -.646 | -.951 | -.883 | -.797 |
| .20 | -.354 | -.488 | -.707 | -.808 | -.718 | .20 | -.380 | -.544 | -.818 | -.865 | -.769 |
| .30 | -.315 | -.530 | -.684 | -.793 | -.691 | .30 | -.333 | -.568 | -.739 | -.851 | -.747 |
| .40 | -.313 | -.534 | -.544 | -.716 | -.620 | .40 | -.337 | -.577 | -.623 | -.820 | -.753 |
| .50 | -.350 | -.447 | -.456 | -.519 | -.390 | .50 | -.361 | -.505 | -.560 | -.813 | -.726 |
| .60 | -.313 | -.343 | -.312 | -.218 | -.235 | .60 | -.342 | -.395 | -.386 | -.316 | -.620 |
| .67 | | | -.168 | | | .67 | | | -.207 | | |
| .70 | -.230 | -.272 | | -.222 | -.314 | .70 | -.271 | -.306 | | -.235 | -.205 |
| .80 | -.167 | | | -.368 | -.463 | .80 | -.191 | | | -.339 | -.368 |
| .84 | | | .037 | | | .84 | | | .037 | | |
| .86 | | -.132 | | | | .86 | | -.143 | | | |
| .90 | | | | -.258 | -.302 | .90 | | | | -.233 | -.292 |
| .91 | -.103 | | | | | .91 | -.125 | | | | |
| .95 | -.079 | -.045 | -.132 | -.108 | -.100 | .95 | -.097 | -.044 | -.116 | -.095 | -.109 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .039 | .090 | .013 | -.123 | -.138 | .05 | .047 | .126 | .062 | -.068 | -.088 |
| .10 | -.017 | .052 | -.090 | -.229 | -.327 | .10 | 0.000 | .103 | -.049 | -.179 | -.238 |
| .20 | -.083 | -.004 | -.175 | -.262 | -.268 | .20 | -.065 | .049 | -.128 | -.220 | -.224 |
| .30 | -.117 | -.094 | -.188 | -.276 | -.244 | .30 | -.095 | -.073 | -.177 | -.236 | -.203 |
| .40 | -.094 | -.134 | -.186 | -.278 | -.194 | .40 | -.076 | -.116 | -.161 | -.251 | -.159 |
| .50 | -.056 | -.160 | -.211 | -.191 | -.152 | .50 | -.044 | -.133 | -.195 | -.175 | -.128 |
| .60 | -.051 | -.129 | -.226 | -.141 | -.054 | .60 | -.033 | -.116 | -.213 | -.134 | -.038 |
| .67 | | | -.267 | | | .67 | | | -.267 | | |
| .70 | -.011 | -.002 | | .105 | .134 | .70 | -.001 | .005 | | .107 | .137 |
| .80 | .097 | | | .270 | .284 | .80 | .107 | | | .274 | .296 |
| .84 | | | .043 | | | .84 | | | .049 | | |
| .86 | | .196 | | | | .86 | | .202 | | | |
| .90 | | | | .337 | .349 | .90 | | | | .334 | .361 |
| .91 | .170 | | | | | .91 | .177 | | | | |
| .95 | .150 | .192 | .293 | .317 | .338 | .95 | .156 | .193 | .296 | .333 | .348 |

| (G) ALPHA = 3.99 DEGREES | | | | | | (H) ALPHA = 5.02 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.089 | .035 | .374 | .704 | .741 | 0.00 | -.126 | -.045 | .308 | .661 | .738 |
| .05 | -.224 | -.846 | -1.031 | .702 | -.791 | .05 | -.181 | -1.042 | -1.135 | .657 | -.876 |
| .10 | -.443 | -.748 | -1.060 | -.883 | -.839 | .10 | -.493 | -.944 | -1.167 | -1.010 | -.931 |
| .20 | -.415 | -.575 | -.940 | -.918 | -.829 | .20 | -.467 | -.645 | -1.076 | -1.004 | -.915 |
| .30 | -.343 | -.587 | -.758 | -.896 | -.800 | .30 | -.363 | -.643 | -.852 | -.990 | -.894 |
| .40 | -.358 | -.607 | -.672 | -.876 | -.802 | .40 | -.381 | -.660 | -.707 | -.970 | -.892 |
| .50 | -.373 | -.537 | -.619 | -.860 | -.804 | .50 | -.412 | -.590 | -.681 | -.972 | -.897 |
| .60 | -.360 | -.465 | -.492 | -.744 | -.747 | .60 | -.404 | -.559 | -.647 | -.952 | -.897 |
| .67 | | | -.294 | | | .67 | | | -.422 | | |
| .70 | -.317 | -.368 | | -.645 | -.720 | .70 | -.368 | -.466 | | -.908 | -.837 |
| .80 | -.230 | | | -.295 | -.243 | .80 | -.296 | | | -.398 | -.615 |
| .84 | | | .037 | | | .84 | | | .037 | | |
| .86 | | -.142 | | | | .86 | | -.162 | | | |
| .90 | | | | -.203 | -.213 | .90 | | | | -.203 | -.229 |
| .91 | -.147 | | | | | .91 | -.204 | | | | |
| .95 | -.109 | -.047 | -.110 | -.085 | -.105 | .95 | -.156 | -.058 | -.105 | -.062 | -.090 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .061 | .167 | .124 | -.015 | -.025 | .05 | .083 | .233 | .223 | .082 | .065 |
| .10 | .016 | .144 | -.008 | -.123 | -.181 | .10 | .047 | .198 | .073 | -.036 | -.088 |
| .20 | -.051 | .100 | -.094 | -.177 | -.179 | .20 | -.016 | .156 | -.034 | -.118 | -.113 |
| .30 | -.066 | -.043 | -.145 | -.205 | -.167 | .30 | -.033 | .010 | -.089 | -.145 | -.126 |
| .40 | -.060 | -.093 | -.152 | -.205 | -.133 | .40 | -.024 | -.039 | -.129 | -.163 | -.112 |
| .50 | -.026 | -.115 | -.163 | -.163 | -.114 | .50 | .005 | -.069 | -.134 | -.143 | -.088 |
| .60 | -.015 | -.098 | -.197 | -.122 | -.021 | .60 | .013 | -.065 | -.169 | -.101 | -.017 |
| .67 | | | -.253 | | | .67 | | | -.247 | | |
| .70 | .014 | .012 | | .112 | .151 | .70 | .039 | .028 | | .126 | .143 |
| .80 | .115 | | | .284 | .308 | .80 | .130 | | | .298 | .305 |
| .84 | | | .045 | | | .84 | | | .048 | | |
| .86 | | .205 | | | | .86 | | .212 | | | |
| .90 | | | | .345 | .372 | .90 | | | | .353 | .364 |
| .91 | .185 | | | | | .91 | .194 | | | | |
| .95 | .158 | .192 | .296 | .335 | .361 | .95 | .164 | .183 | .295 | .351 | .344 |

RUN = 501 POINT = 9

TABLE 70 CONTINUED

RUN = 501 POINT = 10

| (I) ALPHA = 6.11 DEGREES | | | | | | (J) ALPHA = 8.09 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.125 | .224 | .607 | .713 | 0.00 | -.282 | -.310 | .067 | .489 | .666 |
| .05 | -.198 | -1.184 | -1.228 | .609 | -.964 | .05 | -.376 | -1.288 | -1.370 | .503 | -1.108 |
| .10 | -.575 | -1.120 | -1.262 | -1.065 | -1.009 | .10 | -.698 | -1.273 | -1.341 | -1.218 | -1.154 |
| .20 | -.504 | -.726 | -1.224 | -1.083 | -.998 | .20 | -.557 | -1.145 | -1.323 | -1.209 | -1.128 |
| .30 | -.399 | -.688 | -1.160 | -1.074 | -.973 | .30 | -.470 | -1.022 | -1.256 | -1.164 | -1.057 |
| .40 | -.414 | -.699 | -.820 | -1.061 | -.966 | .40 | -.463 | -.905 | -1.037 | -1.141 | -.975 |
| .50 | -.444 | -.648 | -.729 | -1.047 | -.964 | .50 | -.502 | -.765 | -.886 | -1.040 | -.727 |
| .60 | -.438 | -.627 | -.688 | -1.002 | -.903 | .60 | -.506 | -.693 | -.757 | -.767 | -.509 |
| .67 | | | -.578 | | | .67 | | | -.617 | | |
| .70 | -.423 | -.552 | | -.996 | -.828 | .70 | -.510 | -.646 | | -.684 | -.399 |
| .80 | -.360 | | | -.593 | -.498 | .80 | -.461 | | | -.462 | -.354 |
| .84 | | | .035 | | | .84 | | | .029 | | |
| .86 | | -.193 | | | | .86 | | -.241 | | | |
| .90 | | | | -.371 | -.254 | .90 | | | | -.399 | -.322 |
| .91 | -.283 | | | | | .91 | -.384 | | | | |
| .95 | -.224 | -.093 | -.082 | -.135 | -.183 | .95 | -.325 | -.124 | -.234 | -.365 | -.315 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .289 | .302 | .177 | .147 | .05 | .122 | .365 | .426 | .315 | .282 |
| .10 | .073 | .260 | .151 | .046 | 0.000 | .10 | .127 | .329 | .270 | .173 | .116 |
| .20 | .026 | .213 | .028 | -.052 | -.057 | .20 | .095 | .277 | .137 | .056 | .022 |
| .30 | .005 | .054 | -.047 | -.092 | -.084 | .30 | .082 | .130 | .051 | -.018 | -.033 |
| .40 | .017 | -0.000 | -.079 | -.111 | -.095 | .40 | .075 | .073 | .002 | -.056 | -.074 |
| .50 | .039 | -.032 | -.097 | -.115 | -.089 | .50 | .097 | .027 | -.043 | -.099 | -.097 |
| .60 | .046 | -.034 | -.147 | -.095 | -.038 | .60 | .099 | .016 | -.103 | -.118 | -.061 |
| .67 | | | -.236 | | | .67 | | | -.215 | | |
| .70 | .067 | .045 | | .112 | .114 | .70 | .105 | .075 | | .066 | .068 |
| .80 | .151 | | | .284 | .275 | .80 | .180 | | | .243 | .239 |
| .84 | | | .056 | | | .84 | | | .063 | | |
| .86 | | .218 | | | | .86 | | .235 | | | |
| .90 | | | | .346 | .330 | .90 | | | | .299 | .289 |
| .91 | .202 | | | | | .91 | .221 | | | | |
| .95 | .168 | .178 | .295 | .332 | .304 | .95 | .180 | .178 | .281 | .271 | .253 |

RUN = 501 POINT = 11

TABLE 70 CONCLUDED

| X/C | (K) ALPHA = .23 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.004 | .279 | .604 | .769 | .693 |
| .05 | .002 | -.263 | -.276 | .772 | -.155 |
| .10 | -.219 | -.257 | -.379 | -.315 | -.179 |
| .20 | -.246 | -.266 | -.373 | -.275 | -.205 |
| .30 | -.204 | -.310 | -.314 | -.250 | -.214 |
| .40 | -.204 | -.285 | -.194 | -.219 | -.246 |
| .50 | -.208 | -.217 | -.215 | -.214 | -.255 |
| .60 | -.151 | -.167 | -.203 | -.264 | -.297 |
| .67 | | | -.141 | | |
| .70 | -.098 | -.175 | | -.264 | -.330 |
| .80 | -.066 | | | -.390 | -.459 |
| .84 | | | .040 | | |
| .86 | | -.129 | | | |
| .90 | | | | -.275 | -.310 |
| .91 | -.061 | | | | |
| .95 | -.057 | -.082 | -.160 | -.097 | -.095 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.046 | -.186 | -.410 | -.567 | -.719 |
| .10 | -.119 | -.018 | -.405 | -.657 | -.854 |
| .20 | -.195 | .109 | -.406 | -.599 | -.828 |
| .30 | -.223 | -.251 | -.421 | -.549 | -.730 |
| .40 | -.212 | -.302 | -.412 | -.561 | -.450 |
| .50 | -.161 | -.340 | -.338 | -.338 | -.161 |
| .60 | -.146 | -.232 | -.324 | -.166 | -.065 |
| .67 | | | -.223 | | |
| .70 | -.106 | -.059 | | .090 | .122 |
| .80 | .029 | | | .242 | .272 |
| .84 | | | .060 | | |
| .86 | | .144 | | | |
| .90 | | | | .301 | .332 |
| .91 | .126 | | | | |
| .95 | .125 | .177 | .266 | .305 | .325 |

RUN = 500 POINT = 1

TABLE 71

WING PRESSURE COEFFICIENTS

RUN = 500 POINT = 2

| (A) ALPHA = -.80 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .018 | .308 | .634 | .762 | .657 | 0.00 | .003 | .279 | .604 | .769 | .685 |
| .05 | .019 | -.140 | -.139 | .756 | -.033 | .05 | .005 | -.246 | -.278 | .773 | -.171 |
| .10 | -.178 | -.161 | -.252 | -.132 | -.090 | .10 | -.225 | -.249 | -.397 | -.313 | -.187 |
| .20 | -.203 | -.197 | -.208 | -.192 | -.125 | .20 | -.238 | -.283 | -.384 | -.273 | -.210 |
| .30 | -.171 | -.217 | -.250 | -.192 | -.156 | .30 | -.214 | -.319 | -.382 | -.302 | -.218 |
| .40 | -.167 | -.212 | -.153 | -.183 | -.204 | .40 | -.210 | -.299 | -.185 | -.210 | -.255 |
| .50 | -.167 | -.175 | -.172 | -.185 | -.224 | .50 | -.216 | -.217 | -.217 | -.212 | -.272 |
| .60 | -.118 | -.126 | -.183 | -.232 | -.268 | .60 | -.161 | -.166 | -.240 | -.259 | -.303 |
| .67 | | | -.111 | | | .67 | | | -.149 | | |
| .70 | -.059 | -.145 | | -.230 | -.307 | .70 | -.101 | -.174 | | -.259 | -.343 |
| .80 | -.042 | | | -.399 | -.439 | .80 | -.066 | | | -.392 | -.485 |
| .84 | | | .043 | | | .84 | | | .039 | | |
| .86 | | -.120 | | | | .86 | | -.136 | | | |
| .90 | | | | -.268 | -.320 | .90 | | | | -.322 | -.276 |
| .91 | -.051 | | | | | .91 | -.068 | | | | |
| .95 | -.050 | -.080 | -.149 | -.069 | -.070 | .95 | -.058 | -.076 | -.163 | -.070 | -.083 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.090 | -.295 | -.584 | -.657 | -.770 | .05 | -.041 | -.181 | -.381 | -.521 | -.643 |
| .10 | -.144 | -.196 | -.548 | -.775 | -.916 | .10 | -.109 | -.181 | -.397 | -.627 | -.781 |
| .20 | -.227 | -.046 | -.517 | -.731 | -.903 | .20 | -.193 | -.127 | -.404 | -.590 | -.763 |
| .30 | -.299 | -.322 | -.503 | -.693 | -.892 | .30 | -.240 | -.266 | -.421 | -.568 | -.724 |
| .40 | -.242 | -.341 | -.513 | -.699 | -.864 | .40 | -.206 | -.297 | -.419 | -.608 | -.668 |
| .50 | -.197 | -.440 | -.613 | -.744 | -.511 | .50 | -.156 | -.355 | -.444 | -.665 | -.257 |
| .60 | -.176 | -.368 | -.392 | -.156 | -.088 | .60 | -.144 | -.276 | -.345 | -.131 | -.042 |
| .67 | | | -.234 | | | .67 | | | -.248 | | |
| .70 | -.154 | -.090 | | .016 | .061 | .70 | -.111 | -.068 | | .093 | .123 |
| .80 | -.015 | | | .107 | .190 | .80 | .020 | | | .218 | .260 |
| .84 | | | .039 | | | .84 | | | .032 | | |
| .86 | | .102 | | | | .86 | | .132 | | | |
| .90 | | | | .250 | .237 | .90 | | | | .274 | .347 |
| .91 | .097 | | | | | .91 | .122 | | | | |
| .95 | .106 | .158 | .229 | .293 | .244 | .95 | .122 | .170 | .259 | .287 | .331 |

RUN = 500 POINT = 3

TABLE 71 CONTINUED

RUN = 500 POINT = 4

| (C) ALPHA = 1.14 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.007 | .237 | .566 | .758 | .715 | 0.00 | -.022 | .199 | .529 | .762 | .736 |
| .05 | -.095 | -.342 | -.416 | .760 | -.364 | .05 | -.116 | -.459 | -.643 | .765 | -.548 |
| .10 | -.273 | -.357 | -.524 | -.538 | -.314 | .10 | -.324 | -.455 | -.654 | -.687 | -.569 |
| .20 | -.280 | -.364 | -.459 | -.478 | -.272 | .20 | -.328 | -.414 | -.567 | -.662 | -.562 |
| .30 | -.243 | -.399 | -.512 | -.396 | -.260 | .30 | -.283 | -.466 | -.605 | -.604 | -.488 |
| .40 | -.243 | -.369 | -.305 | -.244 | -.290 | .40 | -.273 | -.470 | -.434 | -.524 | -.420 |
| .50 | -.262 | -.311 | -.241 | -.186 | -.321 | .50 | -.307 | -.387 | -.383 | -.402 | -.201 |
| .60 | -.209 | -.213 | -.220 | -.285 | -.355 | .60 | -.270 | -.295 | -.287 | -.202 | -.300 |
| .67 | | | -.147 | | | .67 | | | -.182 | | |
| .70 | -.131 | -.196 | | -.287 | -.380 | .70 | -.189 | -.244 | | -.233 | -.331 |
| .80 | -.092 | | | -.423 | -.533 | .80 | -.133 | | | -.353 | -.520 |
| .84 | | | .043 | | | .84 | | | .047 | | |
| .86 | | -.126 | | | | .86 | | -.135 | | | |
| .90 | | | | -.315 | -.246 | .90 | | | | -.276 | -.315 |
| .91 | -.073 | | | | | .91 | -.095 | | | | |
| .95 | -.062 | -.066 | -.160 | -.073 | -.068 | .95 | -.073 | -.049 | -.131 | -.088 | -.074 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.068 | -.231 | -.396 | -.511 | .05 | .012 | .011 | -.100 | -.258 | -.337 |
| .10 | -.073 | -.113 | -.299 | -.491 | -.656 | .10 | -.041 | -.032 | -.181 | -.371 | -.504 |
| .20 | -.163 | -.117 | -.330 | -.473 | -.598 | .20 | -.127 | -.071 | -.249 | -.362 | -.448 |
| .30 | -.192 | -.194 | -.353 | -.473 | -.545 | .30 | -.157 | -.135 | -.281 | -.360 | -.402 |
| .40 | -.170 | -.234 | -.351 | -.495 | -.478 | .40 | -.131 | -.186 | -.285 | -.430 | -.236 |
| .50 | -.127 | -.288 | -.312 | -.475 | -.200 | .50 | -.092 | -.222 | -.271 | -.226 | -.190 |
| .60 | -.112 | -.203 | -.308 | -.140 | -.073 | .60 | -.077 | -.176 | -.289 | -.141 | -.065 |
| .67 | | | -.247 | | | .67 | | | -.258 | | |
| .70 | -.078 | -.041 | | .098 | .119 | .70 | -.037 | -.020 | | .110 | .122 |
| .80 | .047 | | | .236 | .269 | .80 | .076 | | | .255 | .264 |
| .84 | | | .033 | | | .84 | | | .035 | | |
| .86 | | .153 | | | | .86 | | .180 | | | |
| .90 | | | | .297 | .335 | .90 | | | | .318 | .336 |
| .91 | .137 | | | | | .91 | .162 | | | | |
| .95 | .131 | .187 | .271 | .293 | .332 | .95 | .147 | .191 | .292 | .313 | .317 |

RUN = 500 POINT = 5

TABLE 71 CONTINUED

RUN = 500 POINT = 6

| (E) ALPHA = 2.99 DEGREES | | | | | | (F) ALPHA = 3.46 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.047 | .135 | .465 | .733 | .732 | 0.00 | -.068 | .097 | .431 | .728 | .745 |
| .05 | -.177 | -.641 | -.834 | .731 | -.634 | .05 | -.176 | -.701 | -.910 | .725 | -.689 |
| .10 | -.377 | -.565 | -.808 | -.710 | -.679 | .10 | -.408 | -.626 | -.932 | -.773 | -.734 |
| .20 | -.376 | -.491 | -.689 | -.758 | -.669 | .20 | -.408 | -.522 | -.799 | -.813 | -.718 |
| .30 | -.288 | -.510 | -.672 | -.752 | -.657 | .30 | -.310 | -.545 | -.695 | -.811 | -.710 |
| .40 | -.316 | -.523 | -.573 | -.728 | -.665 | .40 | -.337 | -.562 | -.616 | -.798 | -.710 |
| .50 | -.327 | -.467 | -.514 | -.649 | -.671 | .50 | -.350 | -.500 | -.571 | -.777 | -.724 |
| .60 | -.316 | -.379 | -.415 | -.559 | -.660 | .60 | -.337 | -.444 | -.494 | -.693 | -.738 |
| .67 | | | -.327 | | | .67 | | | -.385 | | |
| .70 | -.259 | -.340 | | -.461 | -.352 | .70 | -.288 | -.384 | | -.570 | -.729 |
| .80 | -.199 | | | -.331 | -.316 | .80 | -.228 | | | -.361 | -.613 |
| .84 | | | .039 | | | .84 | | | .039 | | |
| .86 | | -.156 | | | | .86 | | -.183 | | | |
| .90 | | | | -.255 | -.272 | .90 | | | | -.218 | -.173 |
| .91 | -.144 | | | | | .91 | -.174 | | | | |
| .95 | -.109 | -.044 | -.126 | -.067 | -.100 | .95 | -.127 | -.049 | -.124 | -.060 | -.062 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .083 | .008 | -.134 | -.178 | .05 | .049 | .128 | .068 | -.090 | -.118 |
| .10 | -.018 | .039 | -.097 | -.252 | -.384 | .10 | -.006 | .097 | -.058 | -.204 | -.304 |
| .20 | -.092 | -.007 | -.177 | -.291 | -.325 | .20 | -.070 | .048 | -.140 | -.247 | -.267 |
| .30 | -.118 | -.087 | -.211 | -.287 | -.267 | .30 | -.098 | -.066 | -.179 | -.270 | -.231 |
| .40 | -.103 | -.139 | -.218 | -.367 | -.205 | .40 | -.083 | -.122 | -.190 | -.342 | -.183 |
| .50 | -.059 | -.169 | -.236 | -.173 | -.147 | .50 | -.045 | -.145 | -.211 | -.183 | -.136 |
| .60 | -.047 | -.143 | -.253 | -.135 | -.048 | .60 | -.034 | -.130 | -.249 | -.141 | -.034 |
| .67 | | | -.255 | | | .67 | | | -.258 | | |
| .70 | -.014 | -.014 | | .108 | .143 | .70 | -.004 | -.010 | | .112 | .150 |
| .80 | .092 | | | .262 | .295 | .80 | .103 | | | .275 | .300 |
| .84 | | | .035 | | | .84 | | | .043 | | |
| .86 | | .183 | | | | .86 | | .196 | | | |
| .90 | | | | .328 | .361 | .90 | | | | .338 | .364 |
| .91 | .166 | | | | | .91 | .174 | | | | |
| .95 | .149 | .184 | .288 | .324 | .354 | .95 | .149 | .187 | .290 | .331 | .354 |

RUN = 500 POINT = 7

TABLE 71 CONTINUED

RUN = 500 POINT = 8

| (G) ALPHA = 3.95 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.085 | .070 | .400 | .716 | .744 | 0.00 | -.118 | -.010 | .334 | .686 | .739 |
| .05 | -.081 | -.778 | -.970 | .717 | -.719 | .05 | -.183 | -.993 | -1.056 | .677 | -.784 |
| .10 | -.458 | -.681 | -.988 | -.868 | -.775 | .10 | -.511 | -.919 | -1.099 | -.894 | -.848 |
| .20 | -.417 | -.564 | -.904 | -.852 | -.765 | .20 | -.446 | -.609 | -1.025 | -.930 | -.831 |
| .30 | -.322 | -.556 | -.706 | -.854 | -.749 | .30 | -.364 | -.614 | -.883 | -.928 | -.824 |
| .40 | -.344 | -.596 | -.659 | -.829 | -.754 | .40 | -.364 | -.626 | -.672 | -.912 | -.820 |
| .50 | -.357 | -.515 | -.605 | -.827 | -.758 | .50 | -.388 | -.573 | -.657 | -.900 | -.824 |
| .60 | -.355 | -.495 | -.562 | -.811 | -.775 | .60 | -.381 | -.551 | -.624 | -.928 | -.839 |
| .67 | | | -.424 | | | .67 | | | -.564 | | |
| .70 | -.316 | -.416 | | -.758 | -.758 | .70 | -.355 | -.491 | | -.924 | -.785 |
| .80 | -.247 | | | -.354 | -.642 | .80 | -.299 | | | -.747 | -.594 |
| .84 | | | .042 | | | .84 | | | .038 | | |
| .86 | | -.203 | | | | .86 | | -.240 | | | |
| .90 | | | | -.225 | -.285 | .90 | | | | -.299 | -.328 |
| .91 | -.204 | | | | | .91 | -.259 | | | | |
| .95 | -.154 | -.061 | -.119 | -.042 | -.115 | .95 | -.205 | -.089 | -.143 | -.044 | -.248 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .065 | .157 | .115 | -.028 | -.061 | .05 | .081 | .217 | .208 | .058 | .032 |
| .10 | .013 | .140 | -.001 | -.151 | -.220 | .10 | .041 | .198 | .058 | -.063 | -.126 |
| .20 | -.051 | .100 | -.103 | -.211 | -.210 | .20 | -.010 | .149 | -.033 | -.141 | -.149 |
| .30 | -.074 | -.040 | -.151 | -.238 | -.196 | .30 | -.036 | -.001 | -.104 | -.185 | -.153 |
| .40 | -.059 | -.093 | -.161 | -.295 | -.159 | .40 | -.027 | -.055 | -.139 | -.214 | -.130 |
| .50 | -.023 | -.128 | -.183 | -.181 | -.125 | .50 | .005 | -.089 | -.146 | -.157 | -.123 |
| .60 | -.016 | -.113 | -.234 | -.134 | -.033 | .60 | .005 | -.081 | -.205 | -.125 | -.045 |
| .67 | | | -.247 | | | .67 | | | -.242 | | |
| .70 | .013 | .002 | | .118 | .144 | .70 | .029 | .011 | | .115 | .119 |
| .80 | .111 | | | .287 | .299 | .80 | .124 | | | .278 | .269 |
| .84 | | | .058 | | | .84 | | | .061 | | |
| .86 | | .196 | | | | .86 | | .202 | | | |
| .90 | | | | .344 | .358 | .90 | | | | .340 | .324 |
| .91 | .178 | | | | | .91 | .188 | | | | |
| .95 | .152 | .179 | .288 | .341 | .337 | .95 | .153 | .173 | .289 | .336 | .293 |

RUN = 500 POINT = 9

TABLE 71 CONTINUED

RUN = 500 POINT = 10

| (I) ALPHA = 6.06 DEGREES | | | | | | (J) ALPHA = 8.09 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.107 | .256 | .634 | .726 | 0.00 | -.280 | -.273 | .101 | .516 | .679 |
| .05 | -.172 | -1.156 | -1.170 | .640 | -.902 | .05 | -.279 | -1.241 | -1.304 | .521 | -1.047 |
| .10 | -.574 | -1.085 | -1.219 | -1.028 | -.957 | .10 | -.723 | -1.219 | -1.291 | -1.155 | -1.077 |
| .20 | -.488 | -.718 | -1.176 | -1.024 | -.939 | .20 | -.544 | -1.094 | -1.279 | -1.146 | -1.075 |
| .30 | -.406 | -.677 | -1.122 | -1.023 | -.932 | .30 | -.459 | -.972 | -1.216 | -1.141 | -1.038 |
| .40 | -.404 | -.669 | -.954 | -1.005 | -.923 | .40 | -.453 | -.893 | -1.015 | -1.113 | -.988 |
| .50 | -.436 | -.622 | -.712 | -1.010 | -.934 | .50 | -.489 | -.747 | -.865 | -1.084 | -.940 |
| .60 | -.426 | -.620 | -.677 | -.997 | -.893 | .60 | -.496 | -.675 | -.766 | -.970 | -.718 |
| .67 | | | -.647 | | | .67 | | | -.664 | | |
| .70 | -.410 | -.568 | | -.997 | -.858 | .70 | -.494 | -.623 | | -.954 | -.501 |
| .80 | -.357 | | | -.714 | -.644 | .80 | -.451 | | | -.621 | -.429 |
| .84 | | | .031 | | | .84 | | | .024 | | |
| .86 | | -.305 | | | | .86 | | -.379 | | | |
| .90 | | | | -.485 | -.366 | .90 | | | | -.481 | -.378 |
| .91 | -.340 | | | | | .91 | -.435 | | | | |
| .95 | -.301 | -.136 | -.160 | -.306 | -.277 | .95 | -.420 | -.169 | -.275 | -.424 | -.371 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .274 | .294 | .155 | .108 | .05 | .121 | .368 | .417 | .293 | .256 |
| .10 | .069 | .247 | .130 | .014 | -.045 | .10 | .120 | .324 | .263 | .156 | .092 |
| .20 | .021 | .200 | .021 | -.069 | -.095 | .20 | .092 | .268 | .121 | .034 | -.007 |
| .30 | 0.000 | .048 | -.044 | -.123 | -.113 | .30 | .081 | .129 | .036 | -.034 | -.053 |
| .40 | .008 | -.008 | -.100 | -.171 | -.130 | .40 | .073 | .065 | -.007 | -.084 | -.095 |
| .50 | .034 | -.051 | -.119 | -.152 | -.130 | .50 | .094 | .020 | -.055 | -.128 | -.123 |
| .60 | .036 | -.053 | -.187 | -.134 | -.077 | .60 | .094 | -0.000 | -.125 | -.133 | -.086 |
| .67 | | | -.239 | | | .67 | | | -.225 | | |
| .70 | .054 | .023 | | .098 | .089 | .70 | .095 | .061 | | .066 | .061 |
| .80 | .143 | | | .272 | .247 | .80 | .171 | | | .244 | .225 |
| .84 | | | .055 | | | .84 | | | .059 | | |
| .86 | | .205 | | | | .86 | | .223 | | | |
| .90 | | | | .327 | .304 | .90 | | | | .294 | .273 |
| .91 | .192 | | | | | .91 | .212 | | | | |
| .95 | .156 | .162 | .287 | .298 | .276 | .95 | .164 | .168 | .266 | .261 | .242 |

RUN = 500 POINT = 11

TABLE 71 CONCLUDED

RUN = 500 POINT = 12

| (K) ALPHA = 9.10 DEGREES | | | | | | (L) ALPHA = .28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.347 | -.390 | .006 | .446 | .643 | 0.00 | .010 | .279 | .607 | .770 | .743 |
| .05 | -.352 | -1.249 | -1.337 | .446 | -1.129 | .05 | .010 | -.252 | -.292 | .767 | -.192 |
| .10 | -.827 | -1.249 | -1.333 | -1.233 | -1.153 | .10 | -.225 | -.253 | -.398 | -.322 | -.209 |
| .20 | -.577 | -1.193 | -1.271 | -1.196 | -1.099 | .20 | -.248 | -.289 | -.393 | -.273 | -.225 |
| .30 | -.485 | -1.171 | -1.136 | -1.155 | -1.039 | .30 | -.214 | -.321 | -.339 | -.306 | -.240 |
| .40 | -.487 | -1.117 | -1.032 | -1.051 | -.815 | .40 | -.210 | -.294 | -.194 | -.219 | -.280 |
| .50 | -.526 | -1.059 | -.963 | -.898 | -.676 | .50 | -.219 | -.214 | -.218 | -.201 | -.298 |
| .60 | -.537 | -.908 | -.875 | -.687 | -.557 | .60 | -.165 | -.161 | -.232 | -.262 | -.334 |
| .67 | | | -.799 | | | .67 | | | -.144 | | |
| .70 | -.537 | -.707 | | -.656 | -.473 | .70 | -.104 | -.173 | | -.264 | -.368 |
| .80 | -.498 | | | -.531 | -.446 | .80 | -.068 | | | -.430 | -.537 |
| .84 | | | .019 | | | .84 | | | .039 | | |
| .86 | | -.247 | | | | .86 | | -.135 | | | |
| .90 | | | | -.486 | -.411 | .90 | | | | -.320 | -.303 |
| .91 | -.500 | | | | | .91 | -.072 | | | | |
| .95 | -.464 | -.238 | -.490 | -.473 | -.406 | .95 | -.065 | -.078 | -.160 | -.074 | -.093 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .120 | .393 | .471 | .364 | .314 | .05 | -.048 | -.177 | -.401 | -.539 | -.711 |
| .10 | .137 | .368 | .314 | .218 | .141 | .10 | -.119 | .008 | -.410 | -.625 | -.842 |
| .20 | .122 | .324 | .173 | .084 | .044 | .20 | -.197 | .153 | -.418 | -.598 | -.826 |
| .30 | .113 | .167 | .090 | 0.000 | -.022 | .30 | -.255 | -.252 | -.423 | -.568 | -.776 |
| .40 | .109 | .102 | .033 | -.047 | -.085 | .40 | -.218 | -.302 | -.437 | -.613 | -.742 |
| .50 | .122 | .045 | -.031 | -.115 | -.120 | .50 | -.161 | -.355 | -.484 | -.660 | -.347 |
| .60 | .117 | .021 | -.111 | -.153 | -.095 | .60 | -.144 | -.283 | -.351 | -.150 | -.047 |
| .67 | | | -.217 | | | .67 | | | -.217 | | |
| .70 | .122 | .076 | | .052 | .047 | .70 | -.114 | -.071 | | .088 | .118 |
| .80 | .187 | | | .230 | .213 | .80 | .019 | | | .231 | .276 |
| .84 | | | .052 | | | .84 | | | .076 | | |
| .86 | | .222 | | | | .86 | | .132 | | | |
| .90 | | | | .277 | .262 | .90 | | | | .297 | .375 |
| .91 | .221 | | | | | .91 | .119 | | | | |
| .95 | .169 | .167 | .250 | .239 | .232 | .95 | .115 | .167 | .260 | .320 | .356 |

RUN = 499 POINT = 3

TABLE 72

WING PRESSURE COEFFICIENTS

RUN = 499 POINT = 4

| (A) ALPHA = -.82 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .309 | .650 | .773 | .708 | 0.00 | .003 | .277 | .610 | .777 | .720 |
| .05 | -.010 | -.131 | -.111 | .769 | -.057 | .05 | .001 | -.244 | -.287 | .781 | -.193 |
| .10 | -.163 | -.140 | -.231 | -.185 | -.099 | .10 | -.225 | -.240 | -.400 | -.315 | -.222 |
| .20 | -.214 | -.176 | -.233 | -.196 | -.134 | .20 | -.261 | -.300 | -.361 | -.328 | -.226 |
| .30 | -.172 | -.252 | -.219 | -.214 | -.164 | .30 | -.221 | -.328 | -.385 | -.251 | -.231 |
| .40 | -.165 | -.214 | -.136 | -.183 | -.212 | .40 | -.210 | -.302 | -.240 | -.202 | -.262 |
| .50 | -.163 | -.161 | -.163 | -.163 | -.237 | .50 | -.216 | -.247 | -.221 | -.287 | -.255 |
| .60 | -.110 | -.119 | -.193 | -.217 | -.287 | .60 | -.159 | -.166 | -.208 | -.220 | -.304 |
| .67 | | | -.153 | | | .67 | | | -.183 | | |
| .70 | -.052 | -.144 | | -.255 | -.332 | .70 | -.100 | -.166 | | -.234 | -.357 |
| .80 | -.042 | | | -.390 | -.487 | .80 | -.068 | | | -.376 | -.499 |
| .84 | | | .056 | | | .84 | | | .047 | | |
| .86 | | -.127 | | | | .86 | | -.157 | | | |
| .90 | | | | -.241 | -.266 | .90 | | | | -.297 | -.279 |
| .91 | -.059 | | | | | .91 | -.073 | | | | |
| .95 | -.061 | -.083 | -.149 | -.014 | -.041 | .95 | -.073 | -.074 | -.161 | -.053 | -.049 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.074 | -.307 | -.545 | -.611 | -.739 | .05 | -.043 | -.204 | -.357 | -.490 | -.606 |
| .10 | -.131 | .163 | -.503 | -.721 | -.886 | .10 | -.101 | -.085 | -.375 | -.587 | -.745 |
| .20 | -.221 | .455 | -.484 | -.680 | -.886 | .20 | -.195 | .148 | -.385 | -.580 | -.745 |
| .30 | -.282 | -.318 | -.473 | -.658 | -.880 | .30 | -.259 | -.255 | -.418 | -.558 | -.732 |
| .40 | -.312 | -.331 | -.469 | -.658 | -.886 | .40 | -.182 | -.270 | -.416 | -.598 | -.714 |
| .50 | -.144 | -.409 | -.592 | -.712 | -.841 | .50 | -.148 | -.364 | -.531 | -.668 | -.699 |
| .60 | -.167 | -.398 | -.613 | -.226 | -.280 | .60 | -.131 | -.332 | -.400 | -.156 | -.129 |
| .67 | | | .307 | | | .67 | | | .160 | | |
| .70 | -.155 | -.130 | | -.118 | -.028 | .70 | -.120 | -.084 | | -0.000 | .068 |
| .80 | -.029 | | | -.035 | .123 | .80 | .008 | | | .068 | .224 |
| .84 | | | .547 | | | .84 | | | .412 | | |
| .86 | | .087 | | | | .86 | | .121 | | | |
| .90 | | | | .110 | .222 | .90 | | | | .230 | .329 |
| .91 | .094 | | | | | .91 | .111 | | | | |
| .95 | .098 | .154 | .209 | .200 | .224 | .95 | .117 | .165 | .244 | .300 | .315 |

| (C) ALPHA = 1.12 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.013 | .245 | .569 | .774 | .721 | 0.00 | -.026 | .218 | .540 | .762 | .732 |
| .05 | -.132 | -.341 | -.436 | .770 | -.404 | .05 | -.175 | -.444 | -.595 | .757 | -.502 |
| .10 | -.283 | -.363 | -.523 | -.483 | -.421 | .10 | -.338 | -.450 | -.623 | -.589 | -.537 |
| .20 | -.318 | -.346 | -.476 | -.498 | -.411 | .20 | -.344 | -.413 | -.542 | -.617 | -.530 |
| .30 | -.227 | -.389 | -.523 | -.462 | -.349 | .30 | -.266 | -.435 | -.580 | -.603 | -.526 |
| .40 | -.264 | -.386 | -.344 | -.396 | -.235 | .40 | -.279 | -.447 | -.469 | -.562 | -.519 |
| .50 | -.257 | -.320 | -.314 | -.344 | -.205 | .50 | -.294 | -.375 | -.432 | -.523 | -.523 |
| .60 | -.225 | -.241 | -.263 | -.183 | -.302 | .60 | -.273 | -.314 | -.323 | -.425 | -.502 |
| .67 | | | -.222 | | | .67 | | | -.306 | | |
| .70 | -.147 | -.226 | | -.174 | -.342 | .70 | -.201 | -.280 | | -.381 | -.318 |
| .80 | -.115 | | | -.344 | -.506 | .80 | -.156 | | | -.379 | -.360 |
| .84 | | | .046 | | | .84 | | | .053 | | |
| .86 | | -.162 | | | | .86 | | -.207 | | | |
| .90 | | | | -.263 | -.305 | .90 | | | | -.260 | -.276 |
| .91 | -.099 | | | | | .91 | -.130 | | | | |
| .95 | -.080 | -.053 | -.141 | -.066 | -.094 | .95 | -.109 | -.045 | -.128 | -.039 | -.071 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.081 | -.195 | -.374 | -.472 | .05 | .012 | .017 | -.100 | -.260 | -.353 |
| .10 | -.074 | -.077 | -.274 | -.489 | -.610 | .10 | -.048 | -.010 | -.196 | -.379 | -.532 |
| .20 | -.164 | .027 | -.315 | -.467 | -.604 | .20 | -.130 | .008 | -.254 | -.386 | -.488 |
| .30 | -.238 | -.183 | -.360 | -.478 | -.555 | .30 | -.171 | -.133 | -.288 | -.393 | -.467 |
| .40 | -.160 | -.233 | -.351 | -.535 | -.555 | .40 | -.130 | -.182 | -.302 | -.461 | -.449 |
| .50 | -.115 | -.299 | -.417 | -.603 | -.411 | .50 | -.085 | -.252 | -.309 | -.462 | -.151 |
| .60 | -.106 | -.258 | -.337 | -.119 | -.055 | .60 | -.080 | -.193 | -.299 | -.099 | -.034 |
| .67 | | | .074 | | | .67 | | | .004 | | |
| .70 | -.084 | -.062 | | .095 | .112 | .70 | -.048 | -.032 | | .121 | .142 |
| .80 | .044 | | | .209 | .254 | .80 | .066 | | | .239 | .288 |
| .84 | | | .330 | | | .84 | | | .293 | | |
| .86 | | .144 | | | | .86 | | .170 | | | |
| .90 | | | | .273 | .347 | .90 | | | | .297 | .361 |
| .91 | .135 | | | | | .91 | .153 | | | | |
| .95 | .126 | .180 | .275 | .293 | .326 | .95 | .142 | .182 | .279 | .309 | .356 |

RUN = 499 POINT = 7

TABLE 72 CONTINUED

RUN = 499 POINT = 8

| (E) ALPHA = 2.98 DEGREES | | | | | | (F) ALPHA = 3.38 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.053 | .145 | .486 | .754 | .748 | 0.00 | -.068 | .113 | .464 | .739 | .754 |
| .05 | -.244 | -.607 | -.797 | .754 | -.587 | .05 | -.238 | -.704 | -.843 | .737 | -.630 |
| .10 | -.389 | -.525 | -.771 | -.715 | -.632 | .10 | -.415 | -.592 | -.844 | -.715 | -.677 |
| .20 | -.367 | -.464 | -.685 | -.731 | -.625 | .20 | -.383 | -.518 | -.779 | -.752 | -.676 |
| .30 | -.298 | -.481 | -.639 | -.723 | -.624 | .30 | -.312 | -.504 | -.659 | -.748 | -.667 |
| .40 | -.302 | -.513 | -.562 | -.701 | -.632 | .40 | -.306 | -.541 | -.590 | -.745 | -.681 |
| .50 | -.322 | -.450 | -.508 | -.658 | -.648 | .50 | -.335 | -.469 | -.538 | -.732 | -.686 |
| .60 | -.302 | -.407 | -.459 | -.603 | -.659 | .60 | -.313 | -.445 | -.536 | -.687 | -.702 |
| .67 | | | -.364 | | | .67 | | | -.432 | | |
| .70 | -.267 | -.343 | | -.603 | -.704 | .70 | -.286 | -.372 | | -.711 | -.728 |
| .80 | -.205 | | | -.453 | -.660 | .80 | -.219 | | | -.582 | -.660 |
| .84 | | | .048 | | | .84 | | | .045 | | |
| .86 | | -.252 | | | | .86 | | -.270 | | | |
| .90 | | | | -.250 | -.305 | .90 | | | | -.253 | -.334 |
| .91 | -.185 | | | | | .91 | -.205 | | | | |
| .95 | -.157 | -.067 | -.139 | -.036 | -.085 | .95 | -.173 | -.071 | -.156 | -.039 | -.207 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .088 | .010 | -.146 | -.209 | .05 | .051 | .120 | .067 | -.091 | -.142 |
| .10 | -.017 | .047 | -.093 | -.273 | -.403 | .10 | -.002 | .094 | -.046 | -.209 | -.361 |
| .20 | -.097 | .028 | -.171 | -.300 | -.384 | .20 | -.077 | .064 | -.140 | -.260 | -.341 |
| .30 | -.120 | -.087 | -.223 | -.319 | -.372 | .30 | -.101 | -.062 | -.188 | -.277 | -.327 |
| .40 | -.103 | -.136 | -.237 | -.409 | -.289 | .40 | -.081 | -.115 | -.205 | -.366 | -.161 |
| .50 | -.055 | -.175 | -.252 | -.460 | -.172 | .50 | -.042 | -.156 | -.228 | -.399 | -.189 |
| .60 | -.047 | -.166 | -.287 | -.113 | -.053 | .60 | -.033 | -.143 | -.272 | -.121 | -.068 |
| .67 | | | -.050 | | | .67 | | | -.080 | | |
| .70 | -.023 | -.027 | | .114 | .136 | .70 | -.009 | -.015 | | .110 | .117 |
| .80 | .084 | | | .261 | .288 | .80 | .097 | | | .255 | .269 |
| .84 | | | .262 | | | .84 | | | .234 | | |
| .86 | | .179 | | | | .86 | | .179 | | | |
| .90 | | | | .317 | .343 | .90 | | | | .312 | .331 |
| .91 | .163 | | | | | .91 | .163 | | | | |
| .95 | .141 | .175 | .283 | .310 | .335 | .95 | .145 | .167 | .281 | .312 | .300 |

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.082 | .082 | .433 | .732 | .747 | 0.00 | -.125 | .017 | .379 | .708 | .744 |
| .05 | -.255 | -.781 | -.901 | .728 | -.656 | .05 | -.335 | -.970 | -.998 | .699 | -.724 |
| .10 | -.445 | -.672 | -.912 | -.730 | -.713 | .10 | -.492 | -.891 | -1.037 | -.788 | -.785 |
| .20 | -.390 | -.536 | -.847 | -.799 | -.703 | .20 | -.425 | -.563 | -.978 | -.882 | -.783 |
| .30 | -.323 | -.541 | -.674 | -.797 | -.703 | .30 | -.362 | -.585 | -.873 | -.868 | -.772 |
| .40 | -.323 | -.557 | -.617 | -.781 | -.701 | .40 | -.357 | -.593 | -.620 | -.864 | -.772 |
| .50 | -.344 | -.485 | -.569 | -.786 | -.717 | .50 | -.375 | -.526 | -.630 | -.857 | -.788 |
| .60 | -.327 | -.472 | -.556 | -.783 | -.732 | .60 | -.364 | -.520 | -.607 | -.891 | -.800 |
| .67 | | | -.472 | | | .67 | | | -.552 | | |
| .70 | -.301 | -.411 | | -.769 | -.725 | .70 | -.333 | -.462 | | -.889 | -.759 |
| .80 | -.244 | | | -.657 | -.639 | .80 | -.281 | | | -.811 | -.659 |
| .84 | | | .047 | | | .84 | | | .046 | | |
| .86 | | -.283 | | | | .86 | | -.314 | | | |
| .90 | | | | -.271 | -.338 | .90 | | | | -.530 | -.396 |
| .91 | -.227 | | | | | .91 | -.273 | | | | |
| .95 | -.200 | -.086 | -.160 | -.061 | -.249 | .95 | -.248 | -.120 | -.208 | -.174 | -.348 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .058 | .161 | .116 | -.042 | -.085 | .05 | .076 | .223 | .207 | .045 | -.003 |
| .10 | .013 | .140 | -.015 | -.162 | -.296 | .10 | .041 | .193 | .064 | -.075 | -.180 |
| .20 | -.058 | .107 | -.111 | -.227 | -.301 | .20 | -.023 | .157 | -.044 | -.158 | -.201 |
| .30 | -.080 | -.036 | -.160 | -.245 | -.284 | .30 | -.040 | .005 | -.115 | -.200 | -.201 |
| .40 | -.063 | -.093 | -.197 | -.336 | -.192 | .40 | -.027 | -.048 | -.158 | -.282 | -.201 |
| .50 | -.024 | -.132 | -.211 | -.336 | -.201 | .50 | .004 | -.092 | -.167 | -.154 | -.210 |
| .60 | -.017 | -.123 | -.275 | -.121 | -.071 | .60 | .009 | -.089 | -.245 | -.147 | -.088 |
| .67 | | | -.112 | | | .67 | | | -.121 | | |
| .70 | .002 | -.006 | | .108 | .111 | .70 | .028 | .009 | | .095 | .083 |
| .80 | .107 | | | .257 | .264 | .80 | .122 | | | .263 | .246 |
| .84 | | | .203 | | | .84 | | | .175 | | |
| .86 | | .185 | | | | .86 | | .191 | | | |
| .90 | | | | .324 | .307 | .90 | | | | .319 | .305 |
| .91 | .174 | | | | | .91 | .183 | | | | |
| .95 | .144 | .167 | .279 | .314 | .287 | .95 | .148 | .168 | .278 | .315 | .280 |

RUN = 499 POINT = 11

TABLE 72 CONTINUED

RUN = 499 POINT = 12

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.08 DEGREES | | | | | | | | | | | | | | | | | |
|--------------------------|-------|--------|--------|-------|-------|--------------------------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| ETA | | ETA | | ETA | | ETA | | ETA | | ETA | | | | | | | | | | | | | |
| .1902 | | .2929 | | .3809 | | .5556 | | .7111 | | .1902 | | .2929 | | .3809 | | .5556 | | .7111 | | | | | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| 0.00 | -.168 | -.072 | .277 | .660 | .737 | 0.00 | -.270 | -.235 | .140 | .561 | .699 | .05 | .096 | .277 | .295 | .138 | .096 | .05 | .124 | .367 | .422 | .283 | .249 |
| .05 | -.356 | -1.093 | -1.094 | .656 | -.815 | .05 | -.373 | -1.175 | -1.231 | .563 | -.961 | .10 | .067 | .247 | .130 | .008 | -.063 | .10 | .122 | .326 | .258 | .142 | .071 |
| .10 | -.560 | -1.038 | -1.134 | -.882 | -.872 | .10 | -.723 | -1.160 | -1.225 | -1.019 | -1.006 | .20 | .023 | .206 | .026 | -.083 | -.119 | .20 | .089 | .268 | .121 | .020 | -.018 |
| .20 | -.455 | -.660 | -1.107 | -.951 | -.860 | .20 | -.538 | -1.042 | -1.207 | -1.081 | -.992 | .30 | .004 | .050 | -.058 | -.144 | -.143 | .30 | .074 | .131 | .038 | -.049 | -.069 |
| .30 | -.387 | -.619 | -1.042 | -.946 | -.851 | .30 | -.423 | -.947 | -1.151 | -1.075 | -.982 | .40 | .012 | -.010 | -.106 | -.215 | -.150 | .40 | .078 | .065 | -.009 | -.109 | -.103 |
| .40 | -.380 | -.621 | -.931 | -.946 | -.855 | .40 | -.429 | -.849 | -1.012 | -1.065 | -.966 | .50 | .045 | -.047 | -.129 | -.190 | -.209 | .50 | .102 | .021 | -.063 | -.141 | -.149 |
| .50 | -.407 | -.593 | -.669 | -.931 | -.863 | .50 | -.455 | -.738 | -.884 | -1.058 | -.928 | .60 | .045 | -.056 | -.211 | -.148 | -.108 | .60 | .093 | -.002 | -.145 | -.161 | -.098 |
| .60 | -.402 | -.571 | -.655 | -.956 | -.868 | .60 | -.464 | -.651 | -.818 | -1.012 | -.891 | .67 | | | -.123 | | | .67 | | | -.129 | | |
| .67 | | | -.612 | | | .67 | | | -.723 | | | .70 | .058 | .021 | | .089 | .066 | .70 | .102 | .062 | | .064 | .052 |
| .70 | -.380 | -.519 | | -.954 | -.828 | .70 | -.462 | -.599 | | -1.014 | -.686 | .80 | .142 | | | .249 | .230 | .80 | .176 | | | .237 | .225 |
| .80 | -.324 | | | -.803 | -.782 | .80 | -.420 | | | -.715 | -.533 | .84 | | | .130 | | | .84 | | | .066 | | |
| .84 | | | .039 | | | .84 | | | .034 | | | .86 | | -.345 | | | | .86 | | | | | |
| .86 | | -.345 | | | | .86 | | -.460 | | | | .90 | | | | -.584 | -.545 | .90 | | .223 | | | |
| .90 | | | | -.584 | -.545 | .90 | | | | -.559 | -.479 | .91 | -.324 | | | | | .91 | | | | .294 | .270 |
| .91 | -.324 | | | | | .91 | -.408 | | | | | .95 | -.321 | -.151 | -.238 | -.393 | -.406 | .95 | .213 | | | .294 | .270 |
| .95 | -.321 | -.151 | -.238 | -.393 | -.406 | .95 | -.423 | -.204 | -.332 | -.486 | -.456 | | .153 | .159 | .279 | .279 | .260 | | .165 | .163 | .265 | .258 | .246 |

RUN = 499 POINT = 13

TABLE 72 CONCLUDED

RUN = 499 POINT = 14

| (K) ALPHA = 10.09 DEGREES | | | | | | (L) ALPHA = .23 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.393 | -.423 | -.027 | .437 | .639 | 0.00 | .005 | .280 | .610 | .773 | .694 |
| .05 | -.390 | -1.176 | -1.258 | .431 | -1.102 | .05 | .007 | -.244 | -.284 | .771 | -.191 |
| .10 | -.908 | -1.178 | -1.281 | -1.182 | -1.126 | .10 | -.227 | -.240 | -.393 | -.341 | -.205 |
| .20 | -.570 | -1.146 | -1.199 | -1.175 | -1.109 | .20 | -.227 | -.295 | -.363 | -.313 | -.220 |
| .30 | -.460 | -1.165 | -1.150 | -1.128 | -1.063 | .30 | -.218 | -.327 | -.402 | -.252 | -.231 |
| .40 | -.465 | -1.162 | -1.044 | -1.090 | -1.009 | .40 | -.207 | -.290 | -.245 | -.231 | -.253 |
| .50 | -.486 | -1.154 | -.972 | -1.010 | -.940 | .50 | -.221 | -.240 | -.199 | -.213 | -.250 |
| .60 | -.502 | -1.102 | -.780 | -.803 | -.757 | .60 | -.161 | -.168 | -.210 | -.225 | -.298 |
| .67 | | | -.659 | | | .67 | | | -.190 | | |
| .70 | -.504 | -.946 | | -.785 | -.586 | .70 | -.104 | -.171 | | -.222 | -.337 |
| .80 | -.467 | | | -.622 | -.532 | .80 | -.071 | | | -.413 | -.484 |
| .84 | | | .030 | | | .84 | | | .048 | | |
| .86 | | -.362 | | | | .86 | | -.149 | | | |
| .90 | | | | -.572 | -.499 | .90 | | | | -.297 | -.259 |
| .91 | -.445 | | | | | .91 | -.074 | | | | |
| .95 | -.458 | -.198 | -.570 | -.535 | -.483 | .95 | -.069 | -.083 | -.168 | -.055 | -.057 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .133 | .419 | .518 | .410 | .353 | .05 | -.040 | -.168 | -.362 | -.492 | -.590 |
| .10 | .163 | .383 | .363 | .250 | .189 | .10 | -.108 | .016 | -.389 | -.601 | -.727 |
| .20 | .157 | .329 | .216 | .125 | .071 | .20 | -.201 | .152 | -.410 | -.577 | -.725 |
| .30 | .152 | .205 | .128 | .033 | .002 | .30 | -.262 | -.245 | -.413 | -.556 | -.711 |
| .40 | .146 | .133 | .068 | -.023 | -.060 | .40 | -.194 | -.275 | -.415 | -.598 | -.680 |
| .50 | .157 | .081 | -.002 | -.103 | -.102 | .50 | -.148 | -.362 | -.535 | -.666 | -.652 |
| .60 | .150 | .051 | -.089 | -.147 | -.088 | .60 | -.133 | -.330 | -.445 | -.165 | -.128 |
| .67 | | | -.124 | | | .67 | | | -.176 | | |
| .70 | .150 | .094 | | .057 | .054 | .70 | -.119 | -.088 | | -.009 | .056 |
| .80 | .209 | | | .232 | .224 | .80 | .004 | | | .049 | .208 |
| .84 | | | .072 | | | .84 | | | .070 | | |
| .86 | | .242 | | | | .86 | | .122 | | | |
| .90 | | | | .293 | .269 | .90 | | | | .239 | .339 |
| .91 | .238 | | | | | .91 | .117 | | | | |
| .95 | .185 | .173 | .244 | .251 | .234 | .95 | .114 | .167 | .245 | .301 | .330 |

RUN = 518 POINT = 1

TABLE 73

WING PRESSURE COEFFICIENTS

RUN = 518 POINT = 2

| (A) ALPHA = -.72 DEGREES | | | | | | (B) ALPHA = .29 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .297 | .588 | .679 | .492 | 0.00 | -.016 | .270 | .564 | .720 | .594 |
| .05 | .004 | -.152 | -.157 | .673 | .016 | .05 | .011 | -.261 | -.311 | .724 | -.119 |
| .10 | -.014 | -.176 | -.246 | -.103 | -.046 | .10 | -.138 | -.265 | -.371 | -.292 | -.146 |
| .20 | -.142 | -.199 | -.198 | -.132 | -.096 | .20 | -.234 | -.267 | -.276 | -.252 | -.161 |
| .30 | -.166 | -.231 | -.196 | -.144 | -.119 | .30 | -.198 | -.292 | -.249 | -.219 | -.182 |
| .40 | -.158 | -.190 | -.136 | -.148 | -.155 | .40 | -.189 | -.234 | -.187 | -.209 | -.205 |
| .50 | -.152 | -.167 | -.138 | -.136 | -.174 | .50 | -.187 | -.205 | -.168 | -.189 | -.223 |
| .60 | -.107 | -.118 | -.124 | -.154 | -.191 | .60 | -.143 | -.145 | -.129 | -.201 | -.232 |
| .67 | | | -.021 | | | .67 | | | -.040 | | |
| .70 | -.058 | -.120 | | -.175 | -.237 | .70 | -.083 | -.139 | | -.215 | -.267 |
| .80 | -.038 | | | -.255 | -.297 | .80 | -.061 | | | -.285 | -.322 |
| .84 | | | .032 | | | .84 | | | .032 | | |
| .86 | | -.099 | | | | .86 | | -.098 | | | |
| .90 | | | | -.259 | -.281 | .90 | | | | -.289 | -.295 |
| .91 | -.036 | | | | | .91 | -.047 | | | | |
| .95 | -.036 | -.081 | -.143 | -.144 | -.134 | .95 | -.043 | -.081 | -.151 | -.154 | -.142 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.091 | -.302 | -.641 | -.631 | -1.089 | .05 | -.045 | -.168 | -.417 | -.300 | -.842 |
| .10 | -.166 | -.300 | -.547 | -.836 | -1.035 | .10 | -.120 | -.207 | -.413 | -.585 | -.750 |
| .20 | -.215 | -.211 | -.455 | -.662 | -.387 | .20 | -.181 | -.205 | -.351 | -.517 | -.397 |
| .30 | -.240 | -.310 | -.393 | -.442 | -.352 | .30 | -.206 | -.240 | -.351 | -.392 | -.307 |
| .40 | -.227 | -.312 | -.350 | -.406 | -.333 | .40 | -.189 | -.249 | -.312 | -.347 | -.292 |
| .50 | -.178 | -.281 | -.338 | -.307 | -.245 | .50 | -.151 | -.238 | -.300 | -.277 | -.225 |
| .60 | -.150 | -.219 | -.323 | -.226 | -.119 | .60 | -.120 | -.182 | -.298 | -.215 | -.102 |
| .67 | | | -.475 | | | .67 | | | -.378 | | |
| .70 | -.097 | -.070 | | .026 | .058 | .70 | -.063 | -.052 | | .039 | .081 |
| .80 | .026 | | | .148 | .158 | .80 | .048 | | | .203 | .180 |
| .84 | | | -.125 | | | .84 | | | -.108 | | |
| .86 | | .121 | | | | .86 | | .137 | | | |
| .90 | | | | .213 | .215 | .90 | | | | .274 | .228 |
| .91 | .111 | | | | | .91 | .127 | | | | |
| .95 | .109 | .144 | .096 | .228 | .209 | .95 | .117 | .154 | .160 | .280 | .236 |

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.008 | .229 | .522 | .735 | .662 | 0.00 | -.049 | .154 | .435 | .723 | .710 |
| .05 | -.004 | -.406 | -.462 | .729 | -.262 | .05 | -.035 | -.511 | -.651 | .713 | -.422 |
| .10 | -.209 | -.357 | -.478 | -.435 | -.260 | .10 | -.244 | -.450 | -.661 | -.692 | -.385 |
| .20 | -.270 | -.331 | -.339 | -.371 | -.237 | .20 | -.309 | -.403 | -.411 | -.512 | -.318 |
| .30 | -.229 | -.337 | -.297 | -.289 | -.239 | .30 | -.264 | -.409 | -.350 | -.349 | -.303 |
| .40 | -.227 | -.275 | -.223 | -.256 | -.245 | .40 | -.258 | -.325 | -.269 | -.302 | -.286 |
| .50 | -.215 | -.231 | -.202 | -.223 | -.262 | .50 | -.250 | -.269 | -.228 | -.284 | -.309 |
| .60 | -.162 | -.174 | -.143 | -.225 | -.262 | .60 | -.193 | -.195 | -.166 | -.279 | -.293 |
| .67 | | | -.064 | | | .67 | | | -.077 | | |
| .70 | -.103 | -.153 | | -.241 | -.300 | .70 | -.124 | -.176 | | -.279 | -.316 |
| .80 | -.069 | | | -.299 | -.344 | .80 | -.092 | | | -.310 | -.362 |
| .84 | | | .032 | | | .84 | | | .034 | | |
| .86 | | -.107 | | | | .86 | | -.112 | | | |
| .90 | | | | -.303 | -.317 | .90 | | | | -.312 | -.324 |
| .91 | -.044 | | | | | .91 | -.055 | | | | |
| .95 | -.044 | -.076 | -.159 | -.161 | -.147 | .95 | -.049 | -.067 | -.164 | -.150 | -.154 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.064 | -.272 | -.192 | -.523 | .05 | .017 | .009 | -.113 | -.176 | -.261 |
| .10 | -.079 | -.138 | -.297 | -.432 | -.519 | .10 | -.043 | -.048 | -.189 | -.315 | -.374 |
| .20 | -.138 | -.167 | -.284 | -.375 | -.379 | .20 | -.104 | -.095 | -.226 | -.286 | -.295 |
| .30 | -.158 | -.184 | -.280 | -.332 | -.258 | .30 | -.136 | -.137 | -.228 | -.290 | -.234 |
| .40 | -.158 | -.209 | -.260 | -.307 | -.260 | .40 | -.128 | -.164 | -.222 | -.259 | -.217 |
| .50 | -.122 | -.209 | -.262 | -.241 | -.199 | .50 | -.089 | -.174 | -.228 | -.222 | -.175 |
| .60 | -.093 | -.161 | -.274 | -.197 | -.098 | .60 | -.071 | -.135 | -.242 | -.180 | -.077 |
| .67 | | | -.336 | | | .67 | | | -.306 | | |
| .70 | -.046 | -.037 | | .056 | .089 | .70 | -.024 | -.021 | | .062 | .096 |
| .80 | .060 | | | .232 | .238 | .80 | .076 | | | .239 | .251 |
| .84 | | | -.121 | | | .84 | | | -.127 | | |
| .86 | | .154 | | | | .86 | | .162 | | | |
| .90 | | | | .299 | .282 | .90 | | | | .305 | .318 |
| .91 | .138 | | | | | .91 | .150 | | | | |
| .95 | .128 | .164 | .150 | .293 | .291 | .95 | .131 | .164 | .160 | .303 | .303 |

RUN = 518 POINT = 5

TABLE 73 CONTINUED

RUN = 518 POINT = 6

| (E) ALPHA = 2.86 DEGREES | | | | | | (F) ALPHA = 3.26 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.067 | .077 | .350 | .682 | .725 | 0.00 | -.066 | .041 | .315 | .644 | .724 |
| .05 | -.060 | -.661 | -.968 | .674 | -.681 | .05 | -.064 | -.714 | -1.131 | .646 | -.834 |
| .10 | -.296 | -.559 | -.870 | -.976 | -.525 | .10 | -.298 | -.634 | -1.015 | -1.069 | -.670 |
| .20 | -.349 | -.488 | -.474 | -.775 | -.381 | .20 | -.367 | -.528 | -.637 | -.973 | -.384 |
| .30 | -.306 | -.461 | -.398 | -.383 | -.315 | .30 | -.316 | -.485 | -.410 | -.382 | -.345 |
| .40 | -.294 | -.365 | -.293 | -.346 | -.319 | .40 | -.318 | -.400 | -.307 | -.361 | -.342 |
| .50 | -.286 | -.299 | -.256 | -.319 | -.335 | .50 | -.304 | -.305 | -.268 | -.330 | -.355 |
| .60 | -.221 | -.221 | -.192 | -.307 | -.325 | .60 | -.237 | -.229 | -.196 | -.318 | -.336 |
| .67 | | | -.091 | | | .67 | | | -.096 | | |
| .70 | -.144 | -.188 | | -.303 | -.336 | .70 | -.157 | -.196 | | -.316 | -.345 |
| .80 | -.101 | | | -.313 | -.361 | .80 | -.107 | | | -.316 | -.357 |
| .84 | | | .032 | | | .84 | | | .035 | | |
| .86 | | -.122 | | | | .86 | | -.115 | | | |
| .90 | | | | -.319 | -.294 | .90 | | | | -.316 | -.282 |
| .91 | -.065 | | | | | .91 | -.066 | | | | |
| .95 | -.054 | -.062 | -.157 | -.134 | -.134 | .95 | -.058 | -.059 | -.163 | -.134 | -.126 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .090 | -.006 | -.115 | -.113 | .05 | .055 | .119 | .054 | -.046 | -.051 |
| .10 | -.016 | .045 | -.105 | -.185 | -.241 | .10 | .002 | .095 | -.058 | -.081 | -.170 |
| .20 | -.077 | -.016 | -.167 | -.227 | -.210 | .20 | -.054 | .045 | -.138 | -.186 | -.177 |
| .30 | -.099 | -.099 | -.181 | -.220 | -.197 | .30 | -.084 | -.072 | -.163 | -.194 | -.168 |
| .40 | -.095 | -.126 | -.177 | -.218 | -.172 | .40 | -.080 | -.101 | -.151 | -.190 | -.154 |
| .50 | -.054 | -.138 | -.200 | -.179 | -.140 | .50 | -.052 | -.123 | -.184 | -.167 | -.131 |
| .60 | -.042 | -.103 | -.222 | -.163 | -.063 | .60 | -.029 | -.099 | -.211 | -.149 | -.049 |
| .67 | | | -.280 | | | .67 | | | -.260 | | |
| .70 | -.004 | -.012 | | .070 | .102 | .70 | .006 | 0.000 | | .072 | .110 |
| .80 | .095 | | | .249 | .267 | .80 | .102 | | | .252 | .265 |
| .84 | | | -.138 | | | .84 | | | -.141 | | |
| .86 | | .177 | | | | .86 | | .183 | | | |
| .90 | | | | .320 | .326 | .90 | | | | .318 | .320 |
| .91 | .158 | | | | | .91 | .167 | | | | |
| .95 | .140 | .173 | .170 | .314 | .303 | .95 | .144 | .175 | .168 | .309 | .311 |

| (G) ALPHA = 3.80 DEGREES | | | | | | (H) ALPHA = 4.81 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.112 | -.041 | .261 | .614 | .708 | 0.00 | -.160 | -.142 | .156 | .538 | .677 |
| .05 | -.091 | -.821 | -1.266 | .610 | -1.043 | .05 | -.129 | -1.025 | -1.455 | .540 | -1.204 |
| .10 | -.344 | -.739 | -1.186 | -1.189 | -.887 | .10 | -.406 | -.862 | -1.361 | -1.320 | -1.123 |
| .20 | -.395 | -.574 | -.691 | -1.092 | -.400 | .20 | -.442 | -.683 | -.937 | -1.282 | -.643 |
| .30 | -.342 | -.556 | -.425 | -.374 | -.381 | .30 | -.389 | -.653 | -.445 | -1.138 | -.365 |
| .40 | -.342 | -.442 | -.321 | -.358 | -.366 | .40 | -.379 | -.516 | -.330 | -.361 | -.370 |
| .50 | -.333 | -.331 | -.275 | -.346 | -.368 | .50 | -.369 | -.371 | -.272 | -.330 | -.382 |
| .60 | -.266 | -.246 | -.209 | -.335 | -.351 | .60 | -.306 | -.266 | -.202 | -.320 | -.357 |
| .67 | | | -.106 | | | .67 | | | -.101 | | |
| .70 | -.177 | -.205 | | -.325 | -.356 | .70 | -.203 | -.214 | | -.312 | -.357 |
| .80 | -.120 | | | -.319 | -.356 | .80 | -.144 | | | -.307 | -.349 |
| .84 | | | .030 | | | .84 | | | .032 | | |
| .86 | | -.120 | | | | .86 | | -.107 | | | |
| .90 | | | | -.315 | -.272 | .90 | | | | -.305 | -.260 |
| .91 | -.075 | | | | | .91 | -.089 | | | | |
| .95 | -.061 | -.054 | -.164 | -.135 | -.125 | .95 | -.075 | -.039 | -.151 | -.132 | -.122 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .170 | .115 | .008 | .021 | .05 | .085 | .216 | .214 | .055 | .129 |
| .10 | .017 | .143 | -.007 | -.043 | -.119 | .10 | .046 | .195 | .078 | .041 | -.015 |
| .20 | -.041 | .094 | -.108 | -.142 | -.142 | .20 | -.002 | .150 | -.029 | -.074 | -.076 |
| .30 | -.063 | -.048 | -.139 | -.160 | -.140 | .30 | -.026 | .003 | -.084 | -.109 | -.078 |
| .40 | -.065 | -.081 | -.142 | -.166 | -.133 | .40 | -.030 | -.039 | -.111 | -.122 | -.092 |
| .50 | -.030 | -.102 | -.164 | -.156 | -.112 | .50 | -0.000 | -.064 | -.117 | -.115 | -.082 |
| .60 | -.018 | -.083 | -.199 | -.134 | -.045 | .60 | .008 | -.060 | -.161 | -.111 | -.019 |
| .67 | | | -.247 | | | .67 | | | -.225 | | |
| .70 | .015 | .007 | | .075 | .115 | .70 | .034 | .028 | | .092 | .125 |
| .80 | .109 | | | .253 | .270 | .80 | .129 | | | .272 | .278 |
| .84 | | | -.127 | | | .84 | | | -.120 | | |
| .86 | | .185 | | | | .86 | | .201 | | | |
| .90 | | | | .320 | .320 | .90 | | | | .329 | .335 |
| .91 | .172 | | | | | .91 | .182 | | | | |
| .95 | .148 | .172 | .173 | .306 | .304 | .95 | .158 | .172 | .167 | .316 | .312 |

RUN = 518 POINT = 10

TABLE 73 CONTINUED

RUN = 518 POINT = 11

| (I) ALPHA = 5.78 DEGREES | | | | | | (J) ALPHA = 7.71 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.199 | -.256 | .067 | .467 | .645 | 0.00 | -.314 | -.468 | -.125 | .353 | .572 |
| .05 | -.195 | -1.309 | -1.574 | .475 | -1.321 | .05 | -.308 | -1.531 | -1.453 | .351 | -1.441 |
| .10 | -.478 | -1.107 | -1.515 | -1.425 | -1.333 | .10 | -.666 | -1.494 | -1.358 | -.931 | -1.363 |
| .20 | -.537 | -.766 | -1.460 | -1.376 | -1.189 | .20 | -.607 | -1.121 | -1.176 | -.841 | -.892 |
| .30 | -.423 | -.722 | -.746 | -1.259 | -.444 | .30 | -.502 | -.870 | -1.038 | -.737 | -.628 |
| .40 | -.421 | -.607 | -.347 | -.621 | -.344 | .40 | -.502 | -.538 | -.897 | -.657 | -.510 |
| .50 | -.421 | -.415 | -.275 | -.424 | -.352 | .50 | -.496 | -.433 | -.763 | -.561 | -.458 |
| .60 | -.356 | -.285 | -.196 | -.367 | -.329 | .60 | -.406 | -.347 | -.648 | -.492 | -.382 |
| .67 | | | -.112 | | | .67 | | | -.562 | | |
| .70 | -.246 | -.227 | | -.303 | -.329 | .70 | -.312 | -.289 | | -.428 | -.342 |
| .80 | -.168 | | | -.251 | -.325 | .80 | -.237 | | | -.322 | -.298 |
| .84 | | | .032 | | | .84 | | | .015 | | |
| .86 | | -.110 | | | | .86 | | -.141 | | | |
| .90 | | | | -.253 | -.241 | .90 | | | | -.320 | -.235 |
| .91 | -.109 | | | | | .91 | -.161 | | | | |
| .95 | -.091 | -.037 | -.132 | -.097 | -.118 | .95 | -.143 | -.056 | -.204 | -.266 | -.171 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .099 | .274 | .300 | .061 | .219 | .05 | .111 | .339 | .408 | .096 | .300 |
| .10 | .073 | .255 | .141 | .135 | .060 | .10 | .109 | .306 | .250 | .260 | .137 |
| .20 | .026 | .226 | .020 | .016 | -.015 | .20 | .081 | .266 | .111 | .098 | .037 |
| .30 | .010 | .048 | -.037 | -.053 | -.036 | .30 | .060 | .111 | .035 | -.012 | -.004 |
| .40 | .005 | -0.000 | -.076 | -.082 | -.061 | .40 | .056 | .053 | 0.000 | -.055 | -.052 |
| .50 | .030 | -.027 | -.097 | -.091 | -.057 | .50 | .073 | .017 | -.057 | -.098 | -.062 |
| .60 | .036 | -.029 | -.142 | -.086 | -.006 | .60 | .071 | .007 | -.120 | -.118 | -.031 |
| .67 | | | -.204 | | | .67 | | | -.129 | | |
| .70 | .058 | .042 | | .095 | .131 | .70 | .087 | .061 | | .052 | .096 |
| .80 | .146 | | | .269 | .292 | .80 | .164 | | | .227 | .259 |
| .84 | | | -.066 | | | .84 | | | -.416 | | |
| .86 | | .205 | | | | .86 | | .208 | | | |
| .90 | | | | .332 | .336 | .90 | | | | .275 | .307 |
| .91 | .193 | | | | | .91 | .203 | | | | |
| .95 | .164 | .183 | .170 | .313 | .318 | .95 | .175 | .165 | .102 | .283 | .281 |

RUN = 518 POINT = 12

TABLE 73

CONTINUED

RUN = 518 POINT = 13

| (K) ALPHA = 9.60 DEGREES | | | | | | (L) ALPHA = 11.50 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.433 | -.695 | -.302 | .246 | .516 | 0.00 | -.576 | -.930 | -.454 | .123 | .472 |
| .05 | -.431 | -1.579 | -1.117 | .259 | -1.010 | .05 | -.613 | -1.571 | -.997 | .119 | -.512 |
| .10 | -.831 | -1.589 | -1.074 | -.750 | -.760 | .10 | -1.049 | -1.467 | -.940 | -.679 | -.489 |
| .20 | -.719 | -1.503 | -.978 | -.748 | -.689 | .20 | -.924 | -1.315 | -.936 | -.669 | -.497 |
| .30 | -.558 | -1.356 | -.898 | -.707 | -.604 | .30 | -.628 | -1.209 | -.909 | -.651 | -.472 |
| .40 | -.574 | -1.033 | -.857 | -.645 | -.510 | .40 | -.611 | -1.131 | -.864 | -.634 | -.456 |
| .50 | -.552 | -.483 | -.814 | -.594 | -.471 | .50 | -.497 | -1.044 | -.817 | -.602 | -.437 |
| .60 | -.433 | -.388 | -.775 | -.567 | -.448 | .60 | -.468 | -.921 | -.780 | -.581 | -.429 |
| .67 | | | -.740 | | | .67 | | | -.743 | | |
| .70 | -.368 | -.397 | | -.510 | -.392 | .70 | -.433 | -.784 | | -.587 | -.429 |
| .80 | -.327 | | | -.434 | -.369 | .80 | -.396 | | | -.540 | -.416 |
| .84 | | | .018 | | | .84 | | | .006 | | |
| .86 | | -.267 | | | | .86 | | -.579 | | | |
| .90 | | | | -.442 | -.339 | .90 | | | | -.536 | -.404 |
| .91 | -.217 | | | | | .91 | -.345 | | | | |
| .95 | -.183 | -.205 | -.540 | -.391 | -.331 | .95 | -.298 | -.464 | -.665 | -.481 | -.400 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .107 | .385 | .500 | .026 | .374 | .05 | .090 | .411 | .541 | -.093 | .422 |
| .10 | .148 | .354 | .335 | .329 | .196 | .10 | .158 | .394 | .397 | .397 | .245 |
| .20 | .138 | .315 | .199 | .162 | .083 | .20 | .180 | .355 | .253 | .230 | .115 |
| .30 | .122 | .166 | .104 | .034 | .028 | .30 | .170 | .226 | .148 | .070 | .050 |
| .40 | .115 | .113 | .047 | -.008 | -.031 | .40 | .158 | .156 | .101 | .017 | -.016 |
| .50 | .124 | .061 | -.016 | -.070 | -.065 | .50 | .164 | .100 | .013 | -.065 | -.057 |
| .60 | .111 | .034 | -.093 | -.117 | -.048 | .60 | .143 | .060 | -.085 | -.118 | -.051 |
| .67 | | | -.175 | | | .67 | | | -.169 | | |
| .70 | .115 | .082 | | .037 | .068 | .70 | .137 | .085 | | .027 | .048 |
| .80 | .183 | | | .211 | .225 | .80 | .192 | | | .194 | .205 |
| .84 | | | -.528 | | | .84 | | | -.585 | | |
| .86 | | .214 | | | | .86 | | .199 | | | |
| .90 | | | | .261 | .273 | .90 | | | | .242 | .247 |
| .91 | .213 | | | | | .91 | .213 | | | | |
| .95 | .170 | .150 | .049 | .225 | .231 | .95 | .164 | .100 | .035 | .203 | .209 |

RUN = 518 POINT = 14

TABLE 73 CONCLUDED

| | | (M) ALPHA = .25 DEGREES | | | |
|------|-------|-------------------------|-------|-------|-------|
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.024 | .265 | .559 | .724 | .586 |
| .05 | -.012 | -.273 | -.328 | .724 | -.121 |
| .10 | -.140 | -.277 | -.377 | -.277 | -.144 |
| .20 | -.236 | -.273 | -.268 | -.242 | -.157 |
| .30 | -.202 | -.288 | -.249 | -.209 | -.190 |
| .40 | -.191 | -.232 | -.185 | -.199 | -.201 |
| .50 | -.183 | -.201 | -.170 | -.195 | -.226 |
| .60 | -.138 | -.143 | -.131 | -.201 | -.232 |
| .67 | | | -.042 | | |
| .70 | -.083 | -.139 | | -.213 | -.267 |
| .80 | -.057 | | | -.277 | -.330 |
| .84 | | | .032 | | |
| .86 | | -.095 | | | |
| .90 | | | | -.287 | -.301 |
| .91 | -.040 | | | | |
| .95 | -.040 | -.079 | -.149 | -.181 | -.144 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.042 | -.162 | -.429 | -.476 | -.780 |
| .10 | -.116 | .013 | -.410 | -.592 | -.724 |
| .20 | -.171 | .165 | -.357 | -.494 | -.401 |
| .30 | -.196 | -.234 | -.343 | -.392 | -.316 |
| .40 | -.189 | -.255 | -.304 | -.337 | -.293 |
| .50 | -.144 | -.241 | -.294 | -.271 | -.228 |
| .60 | -.116 | -.178 | -.296 | -.219 | -.102 |
| .67 | | | -.248 | | |
| .70 | -.071 | -.050 | | .041 | .080 |
| .80 | .042 | | | .212 | .183 |
| .84 | | | -.133 | | |
| .86 | | .144 | | | |
| .90 | | | | .270 | .231 |
| .91 | .130 | | | | |
| .95 | .116 | .156 | .143 | .274 | .237 |

RUN = 517 POINT = 1

TABLE 74

WING PRESSURE COEFFICIENTS

RUN = 517 POINT = 2

| (A) ALPHA = -.80 DEGREES | | | | | | (B) ALPHA = .19 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .302 | .620 | .728 | .569 | 0.00 | .004 | .276 | .595 | .747 | .624 |
| .05 | .011 | -.140 | -.133 | .729 | -.040 | .05 | .006 | -.253 | -.283 | .752 | -.161 |
| .10 | -.087 | -.159 | -.242 | -.154 | -.076 | .10 | -.183 | -.255 | -.379 | -.301 | -.189 |
| .20 | -.159 | -.200 | -.202 | -.168 | -.131 | .20 | -.238 | -.260 | -.349 | -.290 | -.196 |
| .30 | -.161 | -.225 | -.200 | -.170 | -.156 | .30 | -.204 | -.308 | -.291 | -.260 | -.226 |
| .40 | -.153 | -.193 | -.142 | -.164 | -.200 | .40 | -.198 | -.266 | -.181 | -.226 | -.246 |
| .50 | -.161 | -.161 | -.148 | -.145 | -.219 | .50 | -.202 | -.210 | -.195 | -.195 | -.273 |
| .60 | -.106 | -.119 | -.134 | -.155 | -.253 | .60 | -.151 | -.153 | -.146 | -.206 | -.292 |
| .67 | | | -.019 | | | .67 | | | -.038 | | |
| .70 | -.057 | -.123 | | -.184 | -.305 | .70 | -.085 | -.149 | | -.231 | -.331 |
| .80 | -.036 | | | -.307 | -.422 | .80 | -.057 | | | -.346 | -.466 |
| .84 | | | .041 | | | .84 | | | .039 | | |
| .86 | | -.093 | | | | .86 | | -.100 | | | |
| .90 | | | | -.305 | -.331 | .90 | | | | -.344 | -.328 |
| .91 | -.040 | | | | | .91 | -.048 | | | | |
| .95 | -.040 | -.080 | -.165 | -.112 | -.127 | .95 | -.046 | -.076 | -.170 | -.128 | -.132 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.083 | -.291 | -.640 | -.593 | -.834 | .05 | -.049 | -.180 | -.411 | -.389 | -.732 |
| .10 | -.144 | -.189 | -.561 | -.836 | -.960 | .10 | -.115 | -.180 | -.420 | -.654 | -.862 |
| .20 | -.227 | -.042 | -.523 | -.769 | -.949 | .20 | -.191 | -.115 | -.420 | -.609 | -.819 |
| .30 | -.266 | -.333 | -.505 | -.697 | -.922 | .30 | -.224 | -.251 | -.432 | -.560 | -.759 |
| .40 | -.247 | -.346 | -.494 | -.696 | -.864 | .40 | -.211 | -.287 | -.425 | -.594 | -.700 |
| .50 | -.198 | -.408 | -.552 | -.739 | -.477 | .50 | -.162 | -.342 | -.362 | -.571 | -.164 |
| .60 | -.181 | -.321 | -.413 | -.173 | -.083 | .60 | -.149 | -.251 | -.382 | -.180 | -.081 |
| .67 | | | -.343 | | | .67 | | | -.312 | | |
| .70 | -.146 | -.095 | | .017 | .077 | .70 | -.106 | -.074 | | .058 | .091 |
| .80 | -.006 | | | .096 | .202 | .80 | .023 | | | .177 | .236 |
| .84 | | | -.087 | | | .84 | | | -.080 | | |
| .86 | | .081 | | | | .86 | | .117 | | | |
| .90 | | | | .222 | .257 | .90 | | | | .241 | .299 |
| .91 | .098 | | | | | .91 | .113 | | | | |
| .95 | .101 | .129 | .122 | .264 | .250 | .95 | .113 | .142 | .156 | .259 | .292 |

RUN = 517 POINT = 3

TABLE 74 CONTINUED

RUN = 517 POINT = 4

| (C) ALPHA = 1.11 DEGREES | | | | | | (D) ALPHA = 1.97 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.014 | .236 | .557 | .747 | .666 | 0.00 | -.028 | .198 | .506 | .739 | .693 |
| .05 | -.012 | -.366 | -.430 | .745 | -.305 | .05 | -.024 | -.465 | -.641 | .737 | -.560 |
| .10 | -.202 | -.345 | -.526 | -.560 | -.301 | .10 | -.266 | -.448 | -.660 | -.677 | -.492 |
| .20 | -.273 | -.352 | -.466 | -.461 | -.297 | .20 | -.308 | -.426 | -.551 | -.723 | -.317 |
| .30 | -.238 | -.377 | -.449 | -.342 | -.281 | .30 | -.266 | -.464 | -.572 | -.637 | -.298 |
| .40 | -.238 | -.330 | -.196 | -.269 | -.308 | .40 | -.276 | -.427 | -.340 | -.337 | -.330 |
| .50 | -.255 | -.251 | -.217 | -.245 | -.328 | .50 | -.287 | -.346 | -.222 | -.172 | -.388 |
| .60 | -.192 | -.172 | -.168 | -.253 | -.335 | .60 | -.244 | -.216 | -.176 | -.222 | -.409 |
| .67 | | | -.051 | | | .67 | | | -.052 | | |
| .70 | -.121 | -.166 | | -.274 | -.367 | .70 | -.159 | -.182 | | -.274 | -.422 |
| .80 | -.074 | | | -.375 | -.491 | .80 | -.097 | | | -.411 | -.542 |
| .84 | | | .033 | | | .84 | | | .040 | | |
| .86 | | -.106 | | | | .86 | | -.105 | | | |
| .90 | | | | -.375 | -.329 | .90 | | | | -.409 | -.280 |
| .91 | -.053 | | | | | .91 | -.062 | | | | |
| .95 | -.051 | -.070 | -.180 | -.125 | -.124 | .95 | -.052 | -.052 | -.176 | -.129 | -.108 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.019 | -.074 | -.265 | -.339 | -.606 | .05 | .012 | -.001 | -.120 | -.203 | -.358 |
| .10 | -.083 | -.108 | -.310 | -.515 | -.702 | .10 | -.048 | -.031 | -.212 | -.332 | -.540 |
| .20 | -.159 | -.112 | -.339 | -.472 | -.627 | .20 | -.118 | -.062 | -.255 | -.362 | -.473 |
| .30 | -.192 | -.204 | -.368 | -.445 | -.553 | .30 | -.154 | -.146 | -.280 | -.377 | -.404 |
| .40 | -.172 | -.238 | -.335 | -.510 | -.391 | .40 | -.140 | -.191 | -.274 | -.449 | -.275 |
| .50 | -.136 | -.261 | -.324 | -.537 | -.200 | .50 | -.095 | -.214 | -.282 | -.219 | -.209 |
| .60 | -.112 | -.204 | -.355 | -.177 | -.106 | .60 | -.082 | -.171 | -.327 | -.184 | -.105 |
| .67 | | | -.294 | | | .67 | | | -.269 | | |
| .70 | -.074 | -.059 | | .054 | .087 | .70 | -.043 | -.041 | | .057 | .083 |
| .80 | .043 | | | .195 | .234 | .80 | .065 | | | .222 | .234 |
| .84 | | | -.085 | | | .84 | | | -.091 | | |
| .86 | | .130 | | | | .86 | | .152 | | | |
| .90 | | | | .258 | .295 | .90 | | | | .282 | .301 |
| .91 | .133 | | | | | .91 | .145 | | | | |
| .95 | .124 | .151 | .158 | .266 | .292 | .95 | .134 | .167 | .172 | .280 | .292 |

| (E) ALPHA = 2.91 DEGREES | | | | | | (F) ALPHA = 3.38 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.053 | .132 | .445 | .714 | .697 | 0.00 | -.066 | .083 | .408 | .701 | .705 |
| .05 | -.049 | -.639 | -.866 | .714 | -.706 | .05 | -.062 | -.717 | -.961 | .694 | -.748 |
| .10 | -.318 | -.568 | -.836 | -.762 | -.759 | .10 | -.349 | -.627 | -.954 | -.834 | -.798 |
| .20 | -.346 | -.477 | -.699 | -.849 | -.731 | .20 | -.383 | -.528 | -.794 | -.891 | -.789 |
| .30 | -.310 | -.529 | -.678 | -.811 | -.655 | .30 | -.330 | -.559 | -.713 | -.853 | -.760 |
| .40 | -.310 | -.529 | -.508 | -.753 | -.430 | .40 | -.327 | -.566 | -.608 | -.841 | -.711 |
| .50 | -.350 | -.437 | -.410 | -.681 | -.228 | .50 | -.357 | -.495 | -.542 | -.781 | -.688 |
| .60 | -.310 | -.331 | -.230 | -.167 | -.338 | .60 | -.334 | -.391 | -.267 | -.535 | -.192 |
| .67 | | | -.069 | | | .67 | | | -.079 | | |
| .70 | -.220 | -.228 | | -.202 | -.375 | .70 | -.261 | -.273 | | -.228 | -.291 |
| .80 | -.152 | | | -.344 | -.524 | .80 | -.173 | | | -.314 | -.472 |
| .84 | | | .036 | | | .84 | | | .036 | | |
| .86 | | -.107 | | | | .86 | | -.105 | | | |
| .90 | | | | -.369 | -.316 | .90 | | | | -.314 | -.325 |
| .91 | -.086 | | | | | .91 | -.099 | | | | |
| .95 | -.069 | -.043 | -.164 | -.167 | -.123 | .95 | -.083 | -.034 | -.143 | -.140 | -.128 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .034 | .083 | -.018 | -.148 | -.205 | .05 | .048 | .117 | .047 | -.085 | -.130 |
| .10 | -.021 | .041 | -.112 | -.203 | -.389 | .10 | -.002 | .102 | -.065 | -.156 | -.266 |
| .20 | -.086 | -.005 | -.189 | -.288 | -.323 | .20 | -.069 | .051 | -.138 | -.248 | -.256 |
| .30 | -.116 | -.098 | -.212 | -.300 | -.286 | .30 | -.096 | -.071 | -.178 | -.264 | -.254 |
| .40 | -.100 | -.145 | -.211 | -.376 | -.235 | .40 | -.084 | -.118 | -.180 | -.329 | -.203 |
| .50 | -.066 | -.171 | -.237 | -.211 | -.198 | .50 | -.047 | -.133 | -.209 | -.198 | -.169 |
| .60 | -.054 | -.143 | -.295 | -.187 | -.091 | .60 | -.034 | -.122 | -.270 | -.176 | -.077 |
| .67 | | | -.254 | | | .67 | | | -.237 | | |
| .70 | -.019 | -.024 | | .068 | .095 | .70 | .001 | -.011 | | .075 | .112 |
| .80 | .085 | | | .232 | .248 | .80 | .100 | | | .241 | .264 |
| .84 | | | -.094 | | | .84 | | | -.115 | | |
| .86 | | .169 | | | | .86 | | .178 | | | |
| .90 | | | | .297 | .311 | .90 | | | | .308 | .323 |
| .91 | .162 | | | | | .91 | .173 | | | | |
| .95 | .145 | .169 | .174 | .294 | .295 | .95 | .147 | .167 | .167 | .306 | .313 |

RUN = 517 POINT = 7

TABLE 74 CONTINUED

RUN = 517 POINT = 8

| (G) ALPHA = 3.89 DEGREES | | | | | | (H) ALPHA = 4.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.086 | .029 | .374 | .689 | .709 | 0.00 | -.119 | -.037 | .305 | .646 | .697 |
| .05 | -.081 | -.825 | -.999 | .685 | -.796 | .05 | -.119 | -1.019 | -1.116 | .641 | -.878 |
| .10 | -.347 | -.736 | -1.029 | -.880 | -.856 | .10 | -.408 | -.919 | -1.148 | -.965 | -.942 |
| .20 | -.421 | -.565 | -.890 | -.929 | -.835 | .20 | -.460 | -.636 | -1.077 | -1.007 | -.926 |
| .30 | -.340 | -.587 | -.736 | -.904 | -.819 | .30 | -.359 | -.639 | -.887 | -.989 | -.905 |
| .40 | -.353 | -.591 | -.655 | -.884 | -.816 | .40 | -.376 | -.653 | -.713 | -.976 | -.903 |
| .50 | -.368 | -.523 | -.613 | -.862 | -.808 | .50 | -.400 | -.585 | -.679 | -.955 | -.906 |
| .60 | -.359 | -.438 | -.399 | -.715 | -.732 | .60 | -.399 | -.538 | -.623 | -.964 | -.901 |
| .67 | | | -.116 | | | .67 | | | -.198 | | |
| .70 | -.287 | -.344 | | -.316 | -.208 | .70 | -.363 | -.435 | | -.888 | -.837 |
| .80 | -.205 | | | -.295 | -.336 | .80 | -.279 | | | -.342 | -.608 |
| .84 | | | .034 | | | .84 | | | .036 | | |
| .86 | | -.111 | | | | .86 | | -.131 | | | |
| .90 | | | | -.302 | -.298 | .90 | | | | -.268 | -.188 |
| .91 | -.122 | | | | | .91 | -.174 | | | | |
| .95 | -.099 | -.034 | -.141 | -.128 | -.132 | .95 | -.134 | -.041 | -.135 | -.091 | -.064 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .061 | .161 | .100 | -.042 | -.068 | .05 | .083 | .226 | .202 | .033 | .026 |
| .10 | .006 | .135 | -.036 | -.119 | -.229 | .10 | .046 | .199 | .058 | -.012 | -.128 |
| .20 | -.054 | .100 | -.112 | -.205 | -.235 | .20 | -.013 | .154 | -.046 | -.136 | -.156 |
| .30 | -.079 | -.049 | -.162 | -.239 | -.217 | .30 | -.033 | .002 | -.107 | -.165 | -.156 |
| .40 | -.066 | -.098 | -.166 | -.255 | -.190 | .40 | -.026 | -.052 | -.129 | -.202 | -.140 |
| .50 | -.030 | -.124 | -.194 | -.183 | -.153 | .50 | .005 | -.074 | -.156 | -.156 | -.122 |
| .60 | -.021 | -.103 | -.257 | -.167 | -.061 | .60 | .009 | -.071 | -.222 | -.138 | -.041 |
| .67 | | | -.227 | | | .67 | | | -.217 | | |
| .70 | .006 | -.005 | | .082 | .112 | .70 | .035 | .013 | | .090 | .123 |
| .80 | .104 | | | .248 | .271 | .80 | .126 | | | .255 | .281 |
| .84 | | | -.117 | | | .84 | | | -.084 | | |
| .86 | | .177 | | | | .86 | | .188 | | | |
| .90 | | | | .311 | .332 | .90 | | | | .325 | .332 |
| .91 | .169 | | | | | .91 | .188 | | | | |
| .95 | .149 | .165 | .170 | .307 | .318 | .95 | .158 | .163 | .163 | .319 | .323 |

| (I) ALPHA = 6.04 DEGREES | | | | | | (J) ALPHA = 8.06 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.162 | -.141 | .213 | .595 | .677 | 0.00 | -.260 | -.307 | .061 | .491 | .625 |
| .05 | -.168 | -1.182 | -1.213 | .597 | -.971 | .05 | -.277 | -1.273 | -1.352 | .485 | -1.130 |
| .10 | -.485 | -1.113 | -1.258 | -1.048 | -1.024 | .10 | -.644 | -1.247 | -1.330 | -1.205 | -1.164 |
| .20 | -.548 | -.728 | -1.198 | -1.093 | -1.008 | .20 | -.616 | -1.117 | -1.309 | -1.227 | -1.143 |
| .30 | -.400 | -.687 | -1.152 | -1.070 | -.987 | .30 | -.458 | -1.020 | -1.251 | -1.203 | -1.077 |
| .40 | -.406 | -.690 | -.822 | -1.063 | -.985 | .40 | -.456 | -.889 | -1.084 | -1.155 | -1.030 |
| .50 | -.438 | -.643 | -.718 | -1.039 | -.965 | .50 | -.494 | -.767 | -.908 | -1.108 | -.721 |
| .60 | -.438 | -.626 | -.688 | -1.032 | -.921 | .60 | -.507 | -.684 | -.731 | -.836 | -.502 |
| .67 | | | -.407 | | | .67 | | | -.547 | | |
| .70 | -.425 | -.542 | | -.982 | -.824 | .70 | -.505 | -.626 | | -.659 | -.408 |
| .80 | -.357 | | | -.575 | -.516 | .80 | -.453 | | | -.440 | -.373 |
| .84 | | | .033 | | | .84 | | | .030 | | |
| .86 | | -.159 | | | | .86 | | -.198 | | | |
| .90 | | | | -.408 | -.195 | .90 | | | | -.440 | -.336 |
| .91 | -.246 | | | | | .91 | -.355 | | | | |
| .95 | -.209 | -.065 | -.115 | -.114 | -.157 | .95 | -.299 | -.112 | -.183 | -.349 | -.322 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .099 | .280 | .287 | .074 | .109 | .05 | .123 | .357 | .416 | .140 | .240 |
| .10 | .073 | .255 | .135 | .071 | -.050 | .10 | .121 | .324 | .247 | .215 | .074 |
| .20 | .020 | .208 | .014 | -.034 | -.096 | .20 | .091 | .271 | .120 | .081 | -.011 |
| .30 | .004 | .046 | -.053 | -.114 | -.124 | .30 | .080 | .125 | .038 | -.027 | -.068 |
| .40 | .007 | -.006 | -.091 | -.152 | -.133 | .40 | .080 | .063 | -.002 | -.080 | -.105 |
| .50 | .037 | -.040 | -.116 | -.130 | -.120 | .50 | .096 | .019 | -.059 | -.120 | -.129 |
| .60 | .039 | -.046 | -.189 | -.136 | -.060 | .60 | .095 | .006 | -.147 | -.152 | -.094 |
| .67 | | | -.213 | | | .67 | | | -.206 | | |
| .70 | .060 | .025 | | .083 | .085 | .70 | .104 | .061 | | .040 | .046 |
| .80 | .140 | | | .248 | .246 | .80 | .171 | | | .214 | .216 |
| .84 | | | -.197 | | | .84 | | | -.408 | | |
| .86 | | .194 | | | | .86 | | .209 | | | |
| .90 | | | | .317 | .306 | .90 | | | | .272 | .263 |
| .91 | .192 | | | | | .91 | .216 | | | | |
| .95 | .162 | .156 | .139 | .299 | .271 | .95 | .177 | .157 | .134 | .237 | .226 |

RUN = 517 POINT = 11

TABLE 74 CONTINUED

RUN = 517 POINT = 12

| (K) ALPHA = 9.85 DEGREES | | | | | | (L) ALPHA = 11.78 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|-------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.364 | -.480 | -.099 | .388 | .565 | 0.00 | -.470 | -.651 | -.265 | .263 | .516 |
| .05 | -.394 | -1.286 | -1.039 | .379 | -1.246 | .05 | -.516 | -1.298 | -1.101 | .253 | -.647 |
| .10 | -.802 | -1.284 | -1.051 | -.772 | -1.246 | .10 | -.964 | -1.302 | -1.069 | -.685 | -.610 |
| .20 | -.682 | -1.251 | -.996 | -.733 | -1.177 | .20 | -.765 | -1.306 | -.977 | -.676 | -.594 |
| .30 | -.510 | -1.251 | -.906 | -.704 | -1.076 | .30 | -.514 | -1.365 | -.882 | -.671 | -.576 |
| .40 | -.510 | -1.159 | -.813 | -.676 | -.893 | .40 | -.518 | -1.370 | -.822 | -.659 | -.567 |
| .50 | -.543 | -.987 | -.745 | -.651 | -.702 | .50 | -.563 | -1.039 | -.803 | -.653 | -.555 |
| .60 | -.551 | -.824 | -.713 | -.615 | -.642 | .60 | -.589 | -.874 | -.777 | -.648 | -.536 |
| .67 | | | -.687 | | | .67 | | | -.751 | | |
| .70 | -.484 | -.704 | | -.585 | -.598 | .70 | -.556 | -.809 | | -.643 | -.529 |
| .80 | -.310 | | | -.493 | -.547 | .80 | -.188 | | | -.609 | -.518 |
| .84 | | | .020 | | | .84 | | | .012 | | |
| .86 | | -.507 | | | | .86 | | -.684 | | | |
| .90 | | | | -.500 | -.475 | .90 | | | | -.609 | -.508 |
| .91 | -.377 | | | | | .91 | -.343 | | | | |
| .95 | -.334 | -.434 | -.578 | -.441 | -.427 | .95 | -.360 | -.622 | -.742 | -.564 | -.488 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .123 | .406 | .494 | .124 | .319 | .05 | .117 | .437 | .558 | .015 | .397 |
| .10 | .158 | .378 | .334 | .300 | .146 | .10 | .176 | .414 | .414 | .414 | .229 |
| .20 | .147 | .326 | .193 | .142 | .037 | .20 | .193 | .371 | .263 | .221 | .094 |
| .30 | .134 | .177 | .103 | .001 | -.032 | .30 | .191 | .244 | .162 | .073 | .019 |
| .40 | .127 | .111 | .042 | -.055 | -.092 | .40 | .176 | .169 | .096 | -0.000 | -.054 |
| .50 | .142 | .069 | -.028 | -.123 | -.124 | .50 | .184 | .116 | .013 | -.080 | -.098 |
| .60 | .125 | .029 | -.130 | -.178 | -.099 | .60 | .171 | .070 | -.087 | -.157 | -.098 |
| .67 | | | -.189 | | | .67 | | | -.182 | | |
| .70 | .129 | .073 | | .009 | .037 | .70 | .159 | .097 | | .017 | .019 |
| .80 | .186 | | | .193 | .205 | .80 | .210 | | | .196 | .189 |
| .84 | | | -.540 | | | .84 | | | -.582 | | |
| .86 | | .196 | | | | .86 | | .204 | | | |
| .90 | | | | .248 | .260 | .90 | | | | .248 | .232 |
| .91 | .214 | | | | | .91 | .228 | | | | |
| .95 | .170 | .109 | .065 | .216 | .223 | .95 | .174 | .101 | .082 | .197 | .192 |

RUN = 517 POINT = 13

TABLE 74

CONCLUDED

| X/C | (M) ALPHA = .26 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .273 | .594 | .753 | .620 |
| .05 | .004 | -.248 | -.261 | .751 | -.158 |
| .10 | -.129 | -.250 | -.388 | -.320 | -.195 |
| .20 | -.198 | -.259 | -.355 | -.297 | -.200 |
| .30 | -.201 | -.297 | -.297 | -.250 | -.230 |
| .40 | -.201 | -.280 | -.197 | -.222 | -.260 |
| .50 | -.199 | -.207 | -.190 | -.184 | -.272 |
| .60 | -.155 | -.153 | -.147 | -.197 | -.304 |
| .67 | | | -.039 | | |
| .70 | -.086 | -.153 | | -.229 | -.330 |
| .80 | -.058 | | | -.338 | -.465 |
| .84 | | | .039 | | |
| .86 | | -.101 | | | |
| .90 | | | | -.338 | -.328 |
| .91 | -.050 | | | | |
| .95 | -.045 | -.073 | -.172 | -.193 | -.126 |
| | CPL | CPL | CPL | CPL | CPL |
| .05 | -.052 | -.179 | -.404 | -.413 | -.725 |
| .10 | -.119 | .011 | -.405 | -.658 | -.864 |
| .20 | -.192 | .164 | -.416 | -.591 | -.813 |
| .30 | -.227 | -.252 | -.421 | -.569 | -.754 |
| .40 | -.213 | -.295 | -.420 | -.603 | -.687 |
| .50 | -.158 | -.347 | -.363 | -.566 | -.162 |
| .60 | -.147 | -.248 | -.375 | -.183 | -.074 |
| .67 | | | -.290 | | |
| .70 | -.101 | -.073 | | .054 | .098 |
| .80 | .019 | | | .175 | .238 |
| .84 | | | -.086 | | |
| .86 | | .119 | | | |
| .90 | | | | .241 | .301 |
| .91 | .117 | | | | |
| .95 | .116 | .141 | .150 | .252 | .290 |

RUN = 516 POINT = 1

TABLE 75

WING PRESSURE COEFFICIENTS

RUN = 516 POINT = 2

| (A) ALPHA = -0.91 DEGREES | | | | | | (B) ALPHA = 0.17 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .305 | .630 | .741 | .577 | 0.00 | .011 | .278 | .603 | .753 | .633 |
| .05 | .019 | -.136 | -.111 | .736 | -.038 | .05 | .013 | -.250 | -.258 | .753 | -.184 |
| .10 | -.099 | -.155 | -.221 | -.160 | -.058 | .10 | -.189 | -.243 | -.391 | -.360 | -.202 |
| .20 | -.151 | -.185 | -.185 | -.173 | -.137 | .20 | -.239 | -.286 | -.378 | -.310 | -.211 |
| .30 | -.159 | -.219 | -.200 | -.178 | -.158 | .30 | -.202 | -.318 | -.344 | -.274 | -.223 |
| .40 | -.155 | -.200 | -.137 | -.160 | -.203 | .40 | -.202 | -.290 | -.171 | -.233 | -.263 |
| .50 | -.159 | -.174 | -.153 | -.146 | -.228 | .50 | -.211 | -.212 | -.210 | -.175 | -.269 |
| .60 | -.108 | -.116 | -.127 | -.158 | -.259 | .60 | -.153 | -.146 | -.174 | -.201 | -.307 |
| .67 | | | -.021 | | | .67 | | | -.038 | | |
| .70 | -.053 | -.125 | | -.197 | -.307 | .70 | -.090 | -.156 | | -.233 | -.342 |
| .80 | -.032 | | | -.324 | -.424 | .80 | -.057 | | | -.353 | -.491 |
| .84 | | | .040 | | | .84 | | | .039 | | |
| .86 | | -.098 | | | | .86 | | -.109 | | | |
| .90 | | | | -.327 | -.340 | .90 | | | | -.362 | -.319 |
| .91 | -.043 | | | | | .91 | -.053 | | | | |
| .95 | -.047 | -.084 | -.168 | -.098 | -.098 | .95 | -.051 | -.079 | -.187 | -.105 | -.118 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.084 | -.293 | -.591 | -.504 | -.765 | .05 | -.047 | -.172 | -.401 | -.438 | -.683 |
| .10 | -.144 | -.200 | -.553 | -.787 | -.910 | .10 | -.111 | -.184 | -.417 | -.637 | -.811 |
| .20 | -.229 | -.049 | -.514 | -.755 | -.903 | .20 | -.198 | -.118 | -.420 | -.584 | -.790 |
| .30 | -.296 | -.333 | -.502 | -.694 | -.895 | .30 | -.248 | -.256 | -.433 | -.573 | -.755 |
| .40 | -.239 | -.338 | -.509 | -.694 | -.882 | .40 | -.215 | -.292 | -.427 | -.614 | -.697 |
| .50 | -.196 | -.435 | -.614 | -.739 | -.733 | .50 | -.161 | -.363 | -.491 | -.659 | -.637 |
| .60 | -.185 | -.377 | -.482 | -.219 | -.145 | .60 | -.150 | -.297 | -.403 | -.204 | -.069 |
| .67 | | | -.377 | | | .67 | | | -.346 | | |
| .70 | -.161 | -.118 | | -.103 | .005 | .70 | -.113 | -.085 | | .011 | .081 |
| .80 | -.032 | | | -.036 | .130 | .80 | .011 | | | .099 | .217 |
| .84 | | | -.094 | | | .84 | | | -.079 | | |
| .86 | | .064 | | | | .86 | | .103 | | | |
| .90 | | | | .144 | .200 | .90 | | | | .236 | .309 |
| .91 | .082 | | | | | .91 | .117 | | | | |
| .95 | .093 | .125 | .095 | .197 | .191 | .95 | .109 | .139 | .147 | .287 | .306 |

RUN = 516 POINT = 3

TABLE 75 CONTINUED

RUN = 516 POINT = 4

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.010 | .235 | .562 | .752 | .681 | 0.00 | -.018 | .194 | .515 | .743 | .693 |
| .05 | -.006 | -.337 | -.448 | .754 | -.335 | .05 | -.016 | -.437 | -.628 | .743 | -.546 |
| .10 | -.229 | -.339 | -.530 | -.539 | -.322 | .10 | -.252 | -.448 | -.647 | -.638 | -.590 |
| .20 | -.280 | -.352 | -.449 | -.551 | -.286 | .20 | -.315 | -.408 | -.574 | -.691 | -.536 |
| .30 | -.237 | -.401 | -.485 | -.427 | -.279 | .30 | -.276 | -.460 | -.587 | -.645 | -.385 |
| .40 | -.237 | -.370 | -.291 | -.308 | -.305 | .40 | -.270 | -.453 | -.414 | -.585 | -.179 |
| .50 | -.255 | -.301 | -.211 | -.194 | -.324 | .50 | -.298 | -.377 | -.364 | -.446 | -.324 |
| .60 | -.202 | -.195 | -.157 | -.230 | -.352 | .60 | -.266 | -.273 | -.239 | -.144 | -.363 |
| .67 | | | -.042 | | | .67 | | | -.042 | | |
| .70 | -.131 | -.165 | | -.260 | -.372 | .70 | -.177 | -.206 | | -.183 | -.413 |
| .80 | -.073 | | | -.398 | -.524 | .80 | -.120 | | | -.331 | -.564 |
| .84 | | | .045 | | | .84 | | | .039 | | |
| .86 | | -.105 | | | | .86 | | -.100 | | | |
| .90 | | | | -.400 | -.305 | .90 | | | | -.361 | -.265 |
| .91 | -.059 | | | | | .91 | -.075 | | | | |
| .95 | -.051 | -.064 | -.189 | -.116 | -.107 | .95 | -.057 | -.047 | -.170 | -.142 | -.105 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.016 | -.083 | -.237 | -.302 | -.561 | .05 | .011 | -.010 | -.128 | -.233 | -.366 |
| .10 | -.077 | -.109 | -.292 | -.485 | -.673 | .10 | -.051 | -.036 | -.205 | -.336 | -.550 |
| .20 | -.163 | -.116 | -.333 | -.487 | -.640 | .20 | -.131 | -.072 | -.256 | -.386 | -.506 |
| .30 | -.185 | -.204 | -.356 | -.482 | -.601 | .30 | -.153 | -.148 | -.293 | -.391 | -.450 |
| .40 | -.176 | -.241 | -.359 | -.526 | -.566 | .40 | -.140 | -.193 | -.300 | -.462 | -.434 |
| .50 | -.127 | -.299 | -.347 | -.528 | -.245 | .50 | -.094 | -.228 | -.290 | -.505 | -.223 |
| .60 | -.112 | -.228 | -.365 | -.179 | -.079 | .60 | -.084 | -.185 | -.331 | -.149 | -.104 |
| .67 | | | -.315 | | | .67 | | | -.289 | | |
| .70 | -.081 | -.062 | | .058 | .095 | .70 | -.047 | -.047 | | .075 | .088 |
| .80 | .037 | | | .161 | .239 | .80 | .067 | | | .202 | .237 |
| .84 | | | -.089 | | | .84 | | | -.071 | | |
| .86 | | .124 | | | | .86 | | .143 | | | |
| .90 | | | | .236 | .321 | .90 | | | | .267 | .300 |
| .91 | .133 | | | | | .91 | .148 | | | | |
| .95 | .126 | .150 | .163 | .251 | .314 | .95 | .135 | .162 | .184 | .274 | .293 |

RUN = 516 POINT = 5

TABLE 75 CONTINUED

RUN = 516 POINT = 6

| (E) ALPHA = 2.92 DEGREES | | | | | | (F) ALPHA = 3.41 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.042 | .128 | .464 | .726 | .703 | 0.00 | -.062 | .105 | .438 | .709 | .705 |
| .05 | -.040 | -.625 | -.830 | .721 | -.662 | .05 | -.058 | -.680 | -.891 | .712 | -.700 |
| .10 | -.320 | -.558 | -.804 | -.721 | -.706 | .10 | -.359 | -.613 | -.895 | -.769 | -.747 |
| .20 | -.374 | -.480 | -.700 | -.794 | -.693 | .20 | -.394 | -.515 | -.769 | -.835 | -.739 |
| .30 | -.290 | -.505 | -.654 | -.760 | -.683 | .30 | -.303 | -.527 | -.685 | -.815 | -.732 |
| .40 | -.318 | -.522 | -.553 | -.753 | -.681 | .40 | -.331 | -.549 | -.603 | -.799 | -.737 |
| .50 | -.326 | -.460 | -.527 | -.712 | -.629 | .50 | -.344 | -.488 | -.568 | -.780 | -.742 |
| .60 | -.311 | -.369 | -.380 | -.576 | -.485 | .60 | -.331 | -.423 | -.469 | -.687 | -.728 |
| .67 | | | -.122 | | | .67 | | | -.187 | | |
| .70 | -.242 | -.329 | | -.233 | -.203 | .70 | -.279 | -.356 | | -.583 | -.644 |
| .80 | -.181 | | | -.309 | -.433 | .80 | -.216 | | | -.288 | -.310 |
| .84 | | | .041 | | | .84 | | | .036 | | |
| .86 | | -.118 | | | | .86 | | -.127 | | | |
| .90 | | | | -.324 | -.350 | .90 | | | | -.288 | -.293 |
| .91 | -.112 | | | | | .91 | -.142 | | | | |
| .95 | -.084 | -.036 | -.149 | -.112 | -.119 | .95 | -.110 | -.034 | -.150 | -.116 | -.128 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .073 | -.002 | -.153 | -.209 | .05 | .046 | .115 | .039 | -.098 | -.170 |
| .10 | -.018 | .036 | -.105 | -.222 | -.422 | .10 | -.003 | .083 | -.066 | -.180 | -.366 |
| .20 | -.095 | -.010 | -.181 | -.293 | -.385 | .20 | -.073 | .039 | -.153 | -.258 | -.340 |
| .30 | -.118 | -.099 | -.221 | -.315 | -.315 | .30 | -.097 | -.070 | -.194 | -.279 | -.270 |
| .40 | -.103 | -.148 | -.229 | -.384 | -.240 | .40 | -.088 | -.116 | -.197 | -.363 | -.217 |
| .50 | -.062 | -.172 | -.254 | -.318 | -.184 | .50 | -.049 | -.151 | -.240 | -.157 | -.168 |
| .60 | -.049 | -.152 | -.308 | -.158 | -.076 | .60 | -.038 | -.133 | -.293 | -.163 | -.072 |
| .67 | | | -.270 | | | .67 | | | -.254 | | |
| .70 | -.019 | -.027 | | .080 | .110 | .70 | -.008 | -.018 | | .080 | .113 |
| .80 | .085 | | | .225 | .258 | .80 | .093 | | | .237 | .272 |
| .84 | | | -.107 | | | .84 | | | -.123 | | |
| .86 | | .158 | | | | .86 | | .162 | | | |
| .90 | | | | .296 | .326 | .90 | | | | .303 | .336 |
| .91 | .163 | | | | | .91 | .167 | | | | |
| .95 | .144 | .162 | .177 | .298 | .317 | .95 | .142 | .162 | .168 | .306 | .327 |

| (G) ALPHA = 3.89 DEGREES | | | | | | (H) ALPHA = 4.89 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.074 | .055 | .401 | .698 | .705 | 0.00 | -.110 | -.029 | .330 | .672 | .705 |
| .05 | -.072 | -.764 | -.960 | .695 | -.739 | .05 | -.110 | -1.005 | -1.051 | .667 | -.802 |
| .10 | -.397 | -.684 | -.979 | -.817 | -.786 | .10 | -.440 | -.908 | -1.092 | -.904 | -.866 |
| .20 | -.413 | -.562 | -.888 | -.874 | -.774 | .20 | -.455 | -.601 | -1.036 | -.941 | -.858 |
| .30 | -.322 | -.561 | -.698 | -.858 | -.770 | .30 | -.362 | -.615 | -.925 | -.932 | -.849 |
| .40 | -.339 | -.581 | -.654 | -.847 | -.775 | .40 | -.366 | -.621 | -.671 | -.930 | -.847 |
| .50 | -.352 | -.513 | -.605 | -.829 | -.786 | .50 | -.390 | -.569 | -.663 | -.909 | -.858 |
| .60 | -.352 | -.475 | -.576 | -.838 | -.802 | .60 | -.379 | -.563 | -.637 | -.914 | -.868 |
| .67 | | | -.271 | | | .67 | | | -.478 | | |
| .70 | -.302 | -.401 | | -.803 | -.772 | .70 | -.351 | -.483 | | -.918 | -.804 |
| .80 | -.237 | | | -.320 | -.664 | .80 | -.293 | | | -.636 | -.659 |
| .84 | | | .037 | | | .84 | | | .038 | | |
| .86 | | -.150 | | | | .86 | | -.179 | | | |
| .90 | | | | -.290 | -.251 | .90 | | | | -.505 | -.348 |
| .91 | -.167 | | | | | .91 | -.242 | | | | |
| .95 | -.131 | -.039 | -.152 | -.094 | -.089 | .95 | -.188 | -.066 | -.168 | -.068 | -.234 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .058 | .151 | .093 | -.037 | -.101 | .05 | .081 | .219 | .192 | .039 | -0.000 |
| .10 | .014 | .130 | -.032 | -.131 | -.288 | .10 | .039 | .188 | .050 | -.045 | -.175 |
| .20 | -.050 | .091 | -.118 | -.219 | -.251 | .20 | -.017 | .150 | -.041 | -.149 | -.187 |
| .30 | -.074 | -.043 | -.172 | -.253 | -.244 | .30 | -.032 | .002 | -.105 | -.202 | -.186 |
| .40 | -.061 | -.096 | -.177 | -.328 | -.199 | .40 | -.025 | -.053 | -.142 | -.273 | -.177 |
| .50 | -.029 | -.128 | -.214 | -.150 | -.159 | .50 | .004 | -.092 | -.169 | -.178 | -.151 |
| .60 | -.017 | -.119 | -.281 | -.162 | -.062 | .60 | .004 | -.081 | -.254 | -.159 | -.079 |
| .67 | | | -.250 | | | .67 | | | -.241 | | |
| .70 | .007 | -.011 | | .081 | .118 | .70 | .030 | 0.000 | | .084 | .092 |
| .80 | .104 | | | .234 | .279 | .80 | .120 | | | .252 | .245 |
| .84 | | | -.134 | | | .84 | | | -.144 | | |
| .86 | | .172 | | | | .86 | | .174 | | | |
| .90 | | | | .309 | .336 | .90 | | | | .318 | .302 |
| .91 | .173 | | | | | .91 | .177 | | | | |
| .95 | .147 | .159 | .174 | .307 | .324 | .95 | .150 | .150 | .162 | .314 | .278 |

RUN = 516 POINT = 9

TABLE 75 CONTINUED

RUN = 516 POINT = 10

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.149 | -.099 | .256 | .623 | .688 | 0.00 | -.263 | -.261 | .109 | .519 | .648 |
| .05 | -.146 | -1.134 | -1.149 | .618 | -.905 | .05 | -.263 | -1.230 | -1.282 | .514 | -1.041 |
| .10 | -.490 | -1.064 | -1.186 | -.978 | -.948 | .10 | -.674 | -1.198 | -1.271 | -1.126 | -1.086 |
| .20 | -.482 | -.681 | -1.134 | -1.026 | -.940 | .20 | -.574 | -1.069 | -1.251 | -1.155 | -1.070 |
| .30 | -.394 | -.665 | -1.097 | -1.010 | -.926 | .30 | -.450 | -.973 | -1.208 | -1.132 | -1.051 |
| .40 | -.388 | -.654 | -.873 | -1.001 | -.922 | .40 | -.439 | -.862 | -1.069 | -1.125 | -1.001 |
| .50 | -.423 | -.606 | -.699 | -.982 | -.926 | .50 | -.478 | -.745 | -.929 | -1.089 | -.962 |
| .60 | -.412 | -.602 | -.673 | -.987 | -.900 | .60 | -.489 | -.667 | -.812 | -1.057 | -.737 |
| .67 | | | -.617 | | | .67 | | | -.630 | | |
| .70 | -.395 | -.546 | | -.960 | -.863 | .70 | -.481 | -.619 | | -.985 | -.518 |
| .80 | -.340 | | | -.741 | -.680 | .80 | -.435 | | | -.552 | -.441 |
| .84 | | | .031 | | | .84 | | | .024 | | |
| .86 | | -.237 | | | | .86 | | -.319 | | | |
| .90 | | | | -.578 | -.329 | .90 | | | | -.517 | -.386 |
| .91 | -.314 | | | | | .91 | -.417 | | | | |
| .95 | -.273 | -.092 | -.190 | -.263 | -.240 | .95 | -.402 | -.145 | -.225 | -.389 | -.372 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .099 | .279 | .278 | .049 | .080 | .05 | .127 | .357 | .407 | .152 | .220 |
| .10 | .073 | .245 | .127 | .033 | -.078 | .10 | .120 | .320 | .247 | .171 | .051 |
| .20 | .024 | .204 | .009 | -.059 | -.123 | .20 | .092 | .269 | .108 | .046 | -.034 |
| .30 | .002 | .043 | -.059 | -.143 | -.149 | .30 | .074 | .124 | .027 | -.061 | -.081 |
| .40 | .007 | -.009 | -.112 | -.206 | -.151 | .40 | .077 | .060 | -.016 | -.112 | -.129 |
| .50 | .037 | -.051 | -.135 | -.158 | -.146 | .50 | .094 | .017 | -.069 | -.138 | -.152 |
| .60 | .038 | -.057 | -.220 | -.163 | -.095 | .60 | .090 | .002 | -.163 | -.178 | -.112 |
| .67 | | | -.240 | | | .67 | | | -.230 | | |
| .70 | .055 | .022 | | .074 | .068 | .70 | .101 | .051 | | .040 | .037 |
| .80 | .136 | | | .244 | .227 | .80 | .170 | | | .213 | .203 |
| .84 | | | -.245 | | | .84 | | | -.490 | | |
| .86 | | .181 | | | | .86 | | .198 | | | |
| .90 | | | | .303 | .283 | .90 | | | | .274 | .257 |
| .91 | .190 | | | | | .91 | .206 | | | | |
| .95 | .158 | .142 | .162 | .289 | .258 | .95 | .162 | .142 | .127 | .248 | .220 |

RUN = 516 POINT = 11

TABLE 75 CONTINUED

RUN = 516 POINT = 12

| (K) ALPHA = 9.94 DEGREES | | | | | | (L) ALPHA = 11.83 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.355 | -.445 | -.052 | .404 | .595 | 0.00 | -.479 | -.606 | -.237 | .285 | .533 |
| .05 | -.390 | -1.231 | -1.077 | .390 | -1.146 | .05 | -.503 | -1.237 | -1.240 | .283 | -.731 |
| .10 | -.817 | -1.236 | -1.087 | -.821 | -1.193 | .10 | -1.021 | -1.239 | -1.234 | -.678 | -.686 |
| .20 | -.619 | -1.205 | -1.007 | -.758 | -1.136 | .20 | -.695 | -1.236 | -1.070 | -.678 | -.646 |
| .30 | -.489 | -1.198 | -.939 | -.728 | -1.094 | .30 | -.468 | -1.310 | -.968 | -.668 | -.629 |
| .40 | -.484 | -1.164 | -.844 | -.701 | -.994 | .40 | -.486 | -1.325 | -.885 | -.657 | -.594 |
| .50 | -.515 | -1.113 | -.763 | -.664 | -.815 | .50 | -.530 | -1.349 | -.803 | -.659 | -.585 |
| .60 | -.532 | -.883 | -.733 | -.647 | -.658 | .60 | -.554 | -1.157 | -.785 | -.654 | -.552 |
| .67 | | | -.692 | | | .67 | | | -.772 | | |
| .70 | -.526 | -.650 | | -.602 | -.589 | .70 | -.560 | -.831 | | -.643 | -.543 |
| .80 | -.349 | | | -.523 | -.557 | .80 | -.479 | | | -.601 | -.533 |
| .84 | | | .022 | | | .84 | | | .019 | | |
| .86 | | -.485 | | | | .86 | | -.618 | | | |
| .90 | | | | -.517 | -.486 | .90 | | | | -.604 | -.516 |
| .91 | -.307 | | | | | .91 | -.174 | | | | |
| .95 | -.338 | -.452 | -.592 | -.475 | -.465 | .95 | -.198 | -.615 | -.692 | -.560 | -.514 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .128 | .407 | .493 | .173 | .313 | .05 | .131 | .439 | .566 | .334 | .407 |
| .10 | .156 | .373 | .337 | .282 | .136 | .10 | .184 | .415 | .416 | .374 | .235 |
| .20 | .150 | .328 | .196 | .133 | .025 | .20 | .206 | .374 | .274 | .225 | .106 |
| .30 | .139 | .192 | .103 | -.001 | -.033 | .30 | .197 | .243 | .169 | .076 | .031 |
| .40 | .130 | .121 | .042 | -.063 | -.104 | .40 | .190 | .183 | .120 | .007 | -.042 |
| .50 | .147 | .068 | -.021 | -.134 | -.132 | .50 | .195 | .122 | .032 | -.075 | -.095 |
| .60 | .136 | .033 | -.127 | -.190 | -.120 | .60 | .180 | .082 | -.076 | -.150 | -.086 |
| .67 | | | -.205 | | | .67 | | | -.174 | | |
| .70 | .132 | .072 | | .011 | .022 | .70 | .177 | .112 | | .026 | .033 |
| .80 | .196 | | | .197 | .195 | .80 | .226 | | | .201 | .201 |
| .84 | | | -.560 | | | .84 | | | -.587 | | |
| .86 | | .196 | | | | .86 | | .221 | | | |
| .90 | | | | .250 | .249 | .90 | | | | .258 | .244 |
| .91 | .224 | | | | | .91 | .248 | | | | |
| .95 | .172 | .113 | .086 | .211 | .205 | .95 | .191 | .123 | .092 | .213 | .208 |

RUN = 516 POINT = 13

TABLE 75 CONCLUDED

| (M) ALPHA = .21 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .280 | .602 | .753 | .639 |
| .05 | .007 | -.228 | -.256 | .751 | -.161 |
| .10 | -.121 | -.241 | -.387 | -.342 | -.198 |
| .20 | -.226 | -.272 | -.363 | -.301 | -.201 |
| .30 | -.202 | -.315 | -.300 | -.268 | -.224 |
| .40 | -.204 | -.286 | -.175 | -.253 | -.262 |
| .50 | -.211 | -.203 | -.210 | -.179 | -.279 |
| .60 | -.153 | -.147 | -.153 | -.204 | -.299 |
| .67 | | | -.033 | | |
| .70 | -.086 | -.151 | | -.231 | -.340 |
| .80 | -.055 | | | -.366 | -.491 |
| .84 | | | .042 | | |
| .86 | | -.107 | | | |
| .90 | | | | -.366 | -.312 |
| .91 | -.051 | | | | |
| .95 | -.049 | -.073 | -.179 | -.158 | -.111 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.044 | -.166 | -.399 | -.460 | -.686 |
| .10 | -.106 | .016 | -.410 | -.625 | -.814 |
| .20 | -.191 | .169 | -.424 | -.611 | -.774 |
| .30 | -.246 | -.258 | -.428 | -.585 | -.757 |
| .40 | -.202 | -.286 | -.431 | -.606 | -.720 |
| .50 | -.162 | -.354 | -.500 | -.667 | -.632 |
| .60 | -.149 | -.295 | -.398 | -.189 | -.069 |
| .67 | | | -.303 | | |
| .70 | -.114 | -.085 | | .004 | .077 |
| .80 | .010 | | | .094 | .218 |
| .84 | | | -.081 | | |
| .86 | | .102 | | | |
| .90 | | | | .242 | .320 |
| .91 | .111 | | | | |
| .95 | .109 | .143 | .145 | .291 | .299 |

RUN = 515 POINT = 3

TABLE 76 WING PRESSURE COEFFICIENTS

RUN = 515 POINT = 4

| (A) ALPHA = -.86 DEGREES | | | | | | (B) ALPHA = .16 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .014 | .306 | .642 | .760 | .621 | 0.00 | .001 | .274 | .602 | .762 | .663 |
| .05 | .020 | -.127 | -.114 | .758 | -.054 | .05 | .003 | -.240 | -.263 | .764 | -.197 |
| .10 | -.164 | -.149 | -.249 | -.142 | -.116 | .10 | -.210 | -.234 | -.382 | -.364 | -.218 |
| .20 | -.215 | -.195 | -.231 | -.194 | -.141 | .20 | -.262 | -.292 | -.365 | -.382 | -.219 |
| .30 | -.174 | -.257 | -.212 | -.192 | -.167 | .30 | -.223 | -.330 | -.382 | -.282 | -.223 |
| .40 | -.164 | -.208 | -.119 | -.194 | -.209 | .40 | -.204 | -.287 | -.179 | -.252 | -.258 |
| .50 | -.159 | -.161 | -.172 | -.149 | -.234 | .50 | -.215 | -.237 | -.194 | -.181 | -.286 |
| .60 | -.116 | -.116 | -.192 | -.189 | -.266 | .60 | -.160 | -.166 | -.194 | -.183 | -.314 |
| .67 | | | -.002 | | | .67 | | | -.026 | | |
| .70 | -.052 | -.135 | | -.191 | -.308 | .70 | -.097 | -.156 | | -.222 | -.346 |
| .80 | -.032 | | | -.334 | -.467 | .80 | -.056 | | | -.354 | -.489 |
| .84 | | | .059 | | | .84 | | | .049 | | |
| .86 | | -.107 | | | | .86 | | -.112 | | | |
| .90 | | | | -.228 | -.299 | .90 | | | | -.332 | -.295 |
| .91 | -.046 | | | | | .91 | -.059 | | | | |
| .95 | -.058 | -.096 | -.172 | -.049 | -.073 | .95 | -.056 | -.078 | -.196 | -.083 | -.097 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.071 | -.315 | -.572 | -.511 | -.707 | .05 | -.043 | -.184 | -.371 | -.421 | -.612 |
| .10 | -.134 | .136 | -.518 | -.722 | -.838 | .10 | -.098 | -.084 | -.402 | -.586 | -.757 |
| .20 | -.224 | .442 | -.490 | -.678 | -.832 | .20 | -.193 | .145 | -.394 | -.570 | -.745 |
| .30 | -.286 | -.317 | -.482 | -.661 | -.829 | .30 | -.260 | -.259 | -.403 | -.547 | -.721 |
| .40 | -.310 | -.339 | -.479 | -.656 | -.836 | .40 | -.193 | -.274 | -.421 | -.592 | -.708 |
| .50 | -.148 | -.403 | -.592 | -.706 | -.795 | .50 | -.145 | -.354 | -.521 | -.649 | -.710 |
| .60 | -.170 | -.398 | -.640 | -.303 | -.283 | .60 | -.137 | -.335 | -.485 | -.233 | -.174 |
| .67 | | | .335 | | | .67 | | | .017 | | |
| .70 | -.151 | -.154 | | -.195 | -.056 | .70 | -.123 | -.102 | | -.126 | .013 |
| .80 | -.039 | | | -.156 | .056 | .80 | .003 | | | -.051 | .175 |
| .84 | | | -.033 | | | .84 | | | .001 | | |
| .86 | | .057 | | | | .86 | | .092 | | | |
| .90 | | | | -.012 | .144 | .90 | | | | .154 | .290 |
| .91 | .087 | | | | | .91 | .107 | | | | |
| .95 | .093 | .121 | .127 | .081 | .155 | .95 | .105 | .134 | .134 | .257 | .278 |

RUN = 515 POINT = 5

TABLE 76 CONTINUED

RUN = 515 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .245 | .571 | .759 | .690 | 0.00 | -.023 | .209 | .533 | .755 | .697 |
| .05 | -0.000 | -.343 | -.415 | .761 | -.417 | .05 | -.025 | -.418 | -.590 | .755 | -.526 |
| .10 | -.276 | -.352 | -.513 | -.504 | -.434 | .10 | -.329 | -.442 | -.601 | -.595 | -.547 |
| .20 | -.315 | -.339 | -.457 | -.531 | -.312 | .20 | -.329 | -.400 | -.530 | -.653 | -.557 |
| .30 | -.228 | -.381 | -.508 | -.488 | -.184 | .30 | -.268 | -.441 | -.560 | -.616 | -.564 |
| .40 | -.256 | -.376 | -.325 | -.463 | -.203 | .40 | -.274 | -.456 | -.458 | -.602 | -.538 |
| .50 | -.249 | -.314 | -.320 | -.289 | -.310 | .50 | -.292 | -.373 | -.432 | -.536 | -.526 |
| .60 | -.224 | -.232 | -.253 | -.135 | -.354 | .60 | -.264 | -.300 | -.343 | -.398 | -.297 |
| .67 | | | -.028 | | | .67 | | | -.135 | | |
| .70 | -.137 | -.201 | | -.179 | -.392 | .70 | -.198 | -.284 | | -.200 | -.243 |
| .80 | -.093 | | | -.319 | -.525 | .80 | -.155 | | | -.304 | -.431 |
| .84 | | | .047 | | | .84 | | | .050 | | |
| .86 | | -.104 | | | | .86 | | -.120 | | | |
| .90 | | | | -.355 | -.237 | .90 | | | | -.320 | -.538 |
| .91 | -.072 | | | | | .91 | -.109 | | | | |
| .95 | -.059 | -.058 | -.175 | -.126 | -.088 | .95 | -.092 | -.044 | -.167 | -.072 | -.117 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.015 | -.082 | -.248 | -.293 | -.501 | .05 | .013 | .009 | -.120 | -.242 | -.393 |
| .10 | -.074 | -.074 | -.298 | -.495 | -.641 | .10 | -.046 | -.012 | -.187 | -.363 | -.554 |
| .20 | -.165 | .023 | -.319 | -.474 | -.629 | .20 | -.131 | .005 | -.260 | -.395 | -.526 |
| .30 | -.232 | -.192 | -.357 | -.481 | -.594 | .30 | -.196 | -.124 | -.292 | -.403 | -.505 |
| .40 | -.171 | -.234 | -.360 | -.534 | -.590 | .40 | -.138 | -.181 | -.302 | -.476 | -.505 |
| .50 | -.120 | -.298 | -.433 | -.596 | -.629 | .50 | -.090 | -.248 | -.315 | -.483 | -.229 |
| .60 | -.109 | -.273 | -.385 | -.214 | -.109 | .60 | -.081 | -.194 | -.347 | -.180 | -.066 |
| .67 | | | -.115 | | | .67 | | | -.171 | | |
| .70 | -.087 | -.071 | | -.021 | .062 | .70 | -.059 | -.050 | | .074 | .102 |
| .80 | .033 | | | .091 | .201 | .80 | .061 | | | .164 | .250 |
| .84 | | | .010 | | | .84 | | | -.003 | | |
| .86 | | .122 | | | | .86 | | .141 | | | |
| .90 | | | | .232 | .312 | .90 | | | | .239 | .329 |
| .91 | .129 | | | | | .91 | .144 | | | | |
| .95 | .122 | .154 | .176 | .269 | .298 | .95 | .131 | .158 | .194 | .262 | .324 |

RUN = 515 POINT = 7

TABLE 76 CONTINUED

RUN = 515 POINT = 8

| (E) ALPHA = 2.88 DEGREES | | | | | | (F) ALPHA = 3.32 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.047 | .146 | .486 | .742 | .712 | 0.00 | -.061 | .106 | .455 | .724 | .709 |
| .05 | -.041 | -.598 | -.769 | .738 | -.601 | .05 | -.057 | -.695 | -.837 | .731 | -.642 |
| .10 | -.363 | -.520 | -.753 | -.661 | -.645 | .10 | -.399 | -.587 | -.865 | -.707 | -.687 |
| .20 | -.360 | -.459 | -.666 | -.731 | -.652 | .20 | -.382 | -.506 | -.752 | -.779 | -.685 |
| .30 | -.293 | -.475 | -.614 | -.708 | -.647 | .30 | -.308 | -.509 | -.646 | -.756 | -.685 |
| .40 | -.289 | -.499 | -.542 | -.700 | -.648 | .40 | -.306 | -.526 | -.594 | -.751 | -.690 |
| .50 | -.313 | -.440 | -.503 | -.692 | -.666 | .50 | -.325 | -.459 | -.544 | -.737 | -.706 |
| .60 | -.298 | -.394 | -.485 | -.600 | -.673 | .60 | -.308 | -.435 | -.531 | -.739 | -.718 |
| .67 | | | -.260 | | | .67 | | | -.339 | | |
| .70 | -.258 | -.331 | | -.599 | -.713 | .70 | -.281 | -.376 | | -.707 | -.729 |
| .80 | -.195 | | | -.360 | -.587 | .80 | -.214 | | | -.495 | -.657 |
| .84 | | | .048 | | | .84 | | | .044 | | |
| .86 | | -.186 | | | | .86 | | -.211 | | | |
| .90 | | | | -.326 | -.230 | .90 | | | | -.387 | -.333 |
| .91 | -.163 | | | | | .91 | -.199 | | | | |
| .95 | -.130 | -.042 | -.179 | -.054 | -.083 | .95 | -.159 | -.057 | -.192 | -.058 | -.199 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .072 | -.002 | -.146 | -.252 | .05 | .051 | .109 | .056 | -.102 | -.177 |
| .10 | -.015 | .052 | -.103 | -.243 | -.443 | .10 | -.003 | .090 | -.064 | -.185 | -.391 |
| .20 | -.099 | .033 | -.186 | -.309 | -.423 | .20 | -.075 | .068 | -.150 | -.270 | -.363 |
| .30 | -.121 | -.081 | -.231 | -.326 | -.411 | .30 | -.099 | -.061 | -.198 | -.288 | -.379 |
| .40 | -.099 | -.136 | -.241 | -.401 | -.477 | .40 | -.085 | -.113 | -.203 | -.366 | -.419 |
| .50 | -.060 | -.182 | -.266 | -.461 | -.155 | .50 | -.044 | -.161 | -.242 | -.458 | -.159 |
| .60 | -.049 | -.168 | -.312 | -.141 | -.069 | .60 | -.035 | -.148 | -.302 | -.133 | -.081 |
| .67 | | | -.202 | | | .67 | | | -.210 | | |
| .70 | -.027 | -.036 | | .085 | .111 | .70 | -.007 | -.028 | | .089 | .096 |
| .80 | .082 | | | .191 | .270 | .80 | .088 | | | .201 | .252 |
| .84 | | | -.064 | | | .84 | | | -.092 | | |
| .86 | | .149 | | | | .86 | | .154 | | | |
| .90 | | | | .256 | .334 | .90 | | | | .267 | .307 |
| .91 | .152 | | | | | .91 | .158 | | | | |
| .95 | .137 | .149 | .189 | .284 | .327 | .95 | .136 | .142 | .179 | .279 | .295 |

RUN = 515 POINT = 9

TABLE 76 CONTINUED

RUN = 515 POINT = 10

| (G) ALPHA = 3.84 DEGREES | | | | | | (H) ALPHA = 4.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.058 | .079 | .430 | .720 | .712 | 0.00 | -.111 | .021 | .365 | .690 | .711 |
| .05 | -.069 | -.765 | -.891 | .720 | -.672 | .05 | -.107 | -.944 | -.983 | .683 | -.741 |
| .10 | -.407 | -.660 | -.911 | -.755 | -.717 | .10 | -.453 | -.878 | -1.022 | -.833 | -.796 |
| .20 | -.390 | -.527 | -.828 | -.808 | -.729 | .20 | -.424 | -.552 | -.963 | -.879 | -.798 |
| .30 | -.324 | -.536 | -.660 | -.797 | -.715 | .30 | -.357 | -.587 | -.891 | -.868 | -.789 |
| .40 | -.320 | -.547 | -.610 | -.796 | -.729 | .40 | -.343 | -.583 | -.624 | -.870 | -.798 |
| .50 | -.342 | -.482 | -.567 | -.785 | -.734 | .50 | -.370 | -.526 | -.629 | -.849 | -.807 |
| .60 | -.324 | -.475 | -.547 | -.788 | -.759 | .60 | -.356 | -.521 | -.605 | -.861 | -.819 |
| .67 | | | -.399 | | | .67 | | | -.526 | | |
| .70 | -.296 | -.412 | | -.781 | -.743 | .70 | -.332 | -.463 | | -.884 | -.775 |
| .80 | -.232 | | | -.568 | -.646 | .80 | -.275 | | | -.793 | -.704 |
| .84 | | | .046 | | | .84 | | | .041 | | |
| .86 | | -.232 | | | | .86 | | -.261 | | | |
| .90 | | | | -.384 | -.333 | .90 | | | | -.728 | -.441 |
| .91 | -.217 | | | | | .91 | -.265 | | | | |
| .95 | -.184 | -.068 | -.208 | -.049 | -.246 | .95 | -.243 | -.082 | -.249 | -.154 | -.354 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .156 | .102 | -.061 | -.124 | .05 | .081 | .216 | .186 | .026 | -.031 |
| .10 | .009 | .137 | -.021 | -.162 | -.336 | .10 | .043 | .182 | .053 | -.073 | -.220 |
| .20 | -.064 | .109 | -.114 | -.240 | -.338 | .20 | -.019 | .147 | -.048 | -.163 | -.265 |
| .30 | -.073 | -.038 | -.178 | -.266 | -.353 | .30 | -.034 | .006 | -.122 | -.207 | -.253 |
| .40 | -.066 | -.095 | -.187 | -.342 | -.249 | .40 | -.030 | -.050 | -.156 | -.304 | -.215 |
| .50 | -.031 | -.134 | -.211 | -.437 | -.190 | .50 | .008 | -.091 | -.186 | -.402 | -.227 |
| .60 | -.018 | -.131 | -.294 | -.127 | -.087 | .60 | .008 | -.095 | -.274 | -.130 | -.106 |
| .67 | | | -.215 | | | .67 | | | -.224 | | |
| .70 | .002 | -.025 | | .091 | .084 | .70 | .026 | -.002 | | .081 | .068 |
| .80 | .098 | | | .219 | .243 | .80 | .118 | | | .236 | .224 |
| .84 | | | -.120 | | | .84 | | | -.170 | | |
| .86 | | .161 | | | | .86 | | .167 | | | |
| .90 | | | | .271 | .292 | .90 | | | | .289 | .282 |
| .91 | .164 | | | | | .91 | .178 | | | | |
| .95 | .142 | .145 | .186 | .286 | .269 | .95 | .144 | .136 | .137 | .289 | .248 |

RUN = 515 POINT = 11

TABLE 76

CONTINUED

RUN = 515 POINT = 12

| (I) ALPHA = 5.97 DEGREES | | | | | | (J) ALPHA = 8.00 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.143 | -.062 | .290 | .648 | .708 | 0.00 | -.232 | -.223 | .148 | .552 | .670 |
| .05 | -.160 | -1.070 | -1.072 | .650 | -.823 | .05 | -.248 | -1.162 | -1.209 | .556 | -.964 |
| .10 | -.540 | -1.015 | -1.115 | -.910 | -.875 | .10 | -.665 | -1.137 | -1.215 | -1.053 | -1.007 |
| .20 | -.472 | -.649 | -1.080 | -.955 | -.871 | .20 | -.535 | -1.021 | -1.180 | -1.079 | -1.005 |
| .30 | -.388 | -.614 | -1.028 | -.943 | -.868 | .30 | -.415 | -.933 | -1.145 | -1.068 | -.986 |
| .40 | -.373 | -.619 | -.927 | -.943 | -.864 | .40 | -.415 | -.803 | -1.027 | -1.060 | -.976 |
| .50 | -.401 | -.580 | -.660 | -.927 | -.877 | .50 | -.443 | -.714 | -.871 | -1.047 | -.940 |
| .60 | -.392 | -.573 | -.649 | -.932 | -.885 | .60 | -.450 | -.652 | -.786 | -1.030 | -.912 |
| .67 | | | -.610 | | | .67 | | | -.630 | | |
| .70 | -.371 | -.520 | | -.939 | -.838 | .70 | -.456 | -.593 | | -1.002 | -.775 |
| .80 | -.316 | | | -.823 | -.804 | .80 | -.401 | | | -.763 | -.547 |
| .84 | | | .043 | | | .84 | | | .035 | | |
| .86 | | -.295 | | | | .86 | | -.424 | | | |
| .90 | | | | -.695 | -.504 | .90 | | | | -.647 | -.481 |
| .91 | -.316 | | | | | .91 | -.401 | | | | |
| .95 | -.303 | -.112 | -.293 | -.363 | -.344 | .95 | -.406 | -.172 | -.260 | -.468 | -.481 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .096 | .272 | .284 | .065 | .048 | .05 | .127 | .358 | .409 | .129 | .204 |
| .10 | .071 | .240 | .125 | .037 | -.112 | .10 | .121 | .319 | .246 | .157 | .030 |
| .20 | .021 | .197 | .011 | -.071 | -.154 | .20 | .092 | .262 | .114 | .031 | -.052 |
| .30 | .003 | .050 | -.064 | -.161 | -.183 | .30 | .081 | .132 | .028 | -.069 | -.100 |
| .40 | .010 | -.002 | -.115 | -.252 | -.202 | .40 | .079 | .067 | -.024 | -.145 | -.138 |
| .50 | .039 | -.055 | -.139 | -.282 | -.234 | .50 | .101 | .015 | -.075 | -.154 | -.178 |
| .60 | .043 | -.066 | -.241 | -.169 | -.117 | .60 | .092 | -.002 | -.178 | -.187 | -.125 |
| .67 | | | -.224 | | | .67 | | | -.220 | | |
| .70 | .054 | .012 | | .062 | .048 | .70 | .099 | .048 | | .039 | .032 |
| .80 | .139 | | | .227 | .210 | .80 | .171 | | | .214 | .197 |
| .84 | | | -.275 | | | .84 | | | -.440 | | |
| .86 | | .175 | | | | .86 | | .197 | | | |
| .90 | | | | .284 | .267 | .90 | | | | .271 | .251 |
| .91 | .186 | | | | | .91 | .209 | | | | |
| .95 | .148 | .132 | .162 | .257 | .239 | .95 | .163 | .133 | .129 | .238 | .223 |

RUN = 515 POINT = 13

TABLE 76 CONTINUED

RUN = 515 POINT = 14

| (K) ALPHA = 10.03 DEGREES | | | | | | (L) ALPHA = 11.92 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.366 | -.412 | -.005 | .433 | .615 | 0.00 | -.446 | -.585 | -.195 | .302 | .532 |
| .05 | -.381 | -1.160 | -1.234 | .438 | -1.105 | .05 | -.479 | -1.172 | -1.255 | .313 | -.754 |
| .10 | -.857 | -1.160 | -1.247 | -1.177 | -1.138 | .10 | -1.003 | -1.179 | -1.253 | -1.030 | -.695 |
| .20 | -.579 | -1.129 | -1.162 | -1.191 | -1.116 | .20 | -.756 | -1.181 | -1.204 | -1.007 | -.653 |
| .30 | -.453 | -1.149 | -1.107 | -1.159 | -1.074 | .30 | -.438 | -1.250 | -1.154 | -.853 | -.633 |
| .40 | -.451 | -1.135 | -1.026 | -1.119 | -1.029 | .40 | -.455 | -1.270 | -1.108 | -.829 | -.614 |
| .50 | -.478 | -1.129 | -.927 | -1.068 | -.956 | .50 | -.493 | -1.296 | -1.103 | -.767 | -.591 |
| .60 | -.495 | -1.068 | -.818 | -.896 | -.737 | .60 | -.523 | -1.248 | -.974 | -.708 | -.579 |
| .67 | | | -.708 | | | .67 | | | -.912 | | |
| .70 | -.495 | -.925 | | -.817 | -.607 | .70 | -.532 | -1.266 | | -.664 | -.567 |
| .80 | -.453 | | | -.586 | -.543 | .80 | -.495 | | | -.644 | -.551 |
| .84 | | | .026 | | | .84 | | | .025 | | |
| .86 | | -.224 | | | | .86 | | -.515 | | | |
| .90 | | | | -.593 | -.506 | .90 | | | | -.616 | -.538 |
| .91 | -.434 | | | | | .91 | -.458 | | | | |
| .95 | -.447 | -.225 | -.535 | -.509 | -.498 | .95 | -.469 | -.283 | -.689 | -.581 | -.529 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .136 | .421 | .510 | .251 | .322 | .05 | .138 | .450 | .580 | .254 | .422 |
| .10 | .165 | .388 | .354 | .285 | .154 | .10 | .197 | .429 | .433 | .381 | .251 |
| .20 | .158 | .332 | .208 | .136 | .038 | .20 | .215 | .385 | .287 | .243 | .127 |
| .30 | .149 | .200 | .117 | .013 | -.025 | .30 | .210 | .262 | .192 | .088 | .051 |
| .40 | .143 | .131 | .061 | -.059 | -.082 | .40 | .202 | .193 | .138 | .025 | -.024 |
| .50 | .156 | .079 | -.014 | -.116 | -.125 | .50 | .213 | .140 | .051 | -.051 | -.079 |
| .60 | .149 | .048 | -.114 | -.167 | -.104 | .60 | .197 | .095 | -.055 | -.121 | -.076 |
| .67 | | | -.202 | | | .67 | | | -.180 | | |
| .70 | .143 | .087 | | .031 | .031 | .70 | .188 | .130 | | .056 | .048 |
| .80 | .205 | | | .205 | .200 | .80 | .242 | | | .225 | .209 |
| .84 | | | -.511 | | | .84 | | | -.572 | | |
| .86 | | .219 | | | | .86 | | .242 | | | |
| .90 | | | | .267 | .252 | .90 | | | | .278 | .261 |
| .91 | .235 | | | | | .91 | .259 | | | | |
| .95 | .181 | .142 | .110 | .233 | .217 | .95 | .202 | .164 | .130 | .237 | .225 |

RUN = 515 POINT = 15

TABLE 76 CONCLUDED

| (M) ALPHA = .18 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .275 | .608 | .761 | .658 |
| .05 | .016 | -.231 | -.258 | .763 | -.186 |
| .10 | -.160 | -.226 | -.388 | -.378 | -.210 |
| .20 | -.242 | -.283 | -.351 | -.371 | -.217 |
| .30 | -.219 | -.320 | -.382 | -.277 | -.232 |
| .40 | -.202 | -.278 | -.184 | -.243 | -.256 |
| .50 | -.211 | -.239 | -.190 | -.161 | -.282 |
| .60 | -.158 | -.157 | -.183 | -.182 | -.311 |
| .67 | | | -.029 | | |
| .70 | -.094 | -.155 | | -.222 | -.342 |
| .80 | -.058 | | | -.359 | -.487 |
| .84 | | | .049 | | |
| .86 | | -.104 | | | |
| .90 | | | | -.380 | -.280 |
| .91 | -.052 | | | | |
| .95 | -.054 | -.080 | -.194 | -.163 | -.093 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.039 | -.172 | -.369 | -.418 | -.616 |
| .10 | -.103 | .025 | -.399 | -.595 | -.756 |
| .20 | -.195 | .180 | -.392 | -.572 | -.739 |
| .30 | -.255 | -.245 | -.415 | -.562 | -.730 |
| .40 | -.220 | -.267 | -.415 | -.596 | -.710 |
| .50 | -.146 | -.360 | -.523 | -.658 | -.718 |
| .60 | -.136 | -.335 | -.479 | -.232 | -.172 |
| .67 | | | -.331 | | |
| .70 | -.120 | -.102 | | -.120 | .012 |
| .80 | .002 | | | -.062 | .171 |
| .84 | | | -.089 | | |
| .86 | | .092 | | | |
| .90 | | | | .140 | .286 |
| .91 | .106 | | | | |
| .95 | .102 | .136 | .133 | .262 | .272 |

RUN = 480 POINT = 1

TABLE 77

WING PRESSURE COEFFICIENTS

RUN = 480 POINT = 2

| (A) ALPHA = -.73 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .024 | .301 | .599 | .694 | .513 | 0.00 | .015 | .278 | .569 | .739 | .607 |
| .05 | .029 | -.159 | -.152 | -.110 | .013 | .05 | -.148 | -.268 | -.332 | -.260 | -.133 |
| .10 | -.176 | -.178 | -.228 | -.140 | -.033 | .10 | -.229 | -.278 | -.359 | -.270 | -.145 |
| .20 | -.199 | -.203 | -.192 | -.134 | -.092 | .20 | -.237 | -.268 | -.271 | -.224 | -.183 |
| .30 | -.164 | -.226 | -.199 | -.138 | -.123 | .30 | -.202 | -.284 | -.256 | -.204 | -.181 |
| .40 | -.164 | -.180 | -.144 | -.138 | -.149 | .40 | -.202 | -.235 | -.191 | -.192 | -.211 |
| .50 | -.151 | -.163 | -.123 | -.158 | -.182 | .50 | -.183 | -.197 | -.158 | -.196 | -.216 |
| .60 | -.108 | -.112 | -.093 | -.180 | -.194 | .60 | -.135 | -.145 | -.115 | -.216 | -.234 |
| .67 | | | -.034 | | | .67 | | | -.059 | | |
| .70 | -.060 | -.118 | | -.210 | -.233 | .70 | -.086 | -.143 | | -.246 | -.271 |
| .80 | -.035 | | | -.249 | -.292 | .80 | -.052 | | | -.279 | -.323 |
| .84 | | | .035 | | | .84 | | | .031 | | |
| .86 | | -.082 | | | | .86 | | -.090 | | | |
| .90 | | | | -.210 | -.274 | .90 | | | | -.236 | -.294 |
| .91 | -.031 | | | | | .91 | -.040 | | | | |
| .95 | -.027 | -.078 | -.148 | -.102 | -.131 | .95 | -.034 | -.078 | -.153 | -.127 | -.139 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.085 | -.283 | -.625 | -.944 | -1.091 | .05 | -.040 | -.181 | -.406 | -.585 | -.799 |
| .10 | -.164 | -.232 | -.536 | -.771 | -1.059 | .10 | -.112 | -.189 | -.398 | -.569 | -.718 |
| .20 | -.211 | -.131 | -.456 | -.554 | -.400 | .20 | -.179 | -.166 | -.355 | -.470 | -.400 |
| .30 | -.234 | -.304 | -.388 | -.422 | -.354 | .30 | -.204 | -.244 | -.337 | -.392 | -.306 |
| .40 | -.228 | -.319 | -.323 | -.398 | -.329 | .40 | -.181 | -.256 | -.291 | -.343 | -.290 |
| .50 | -.180 | -.277 | -.340 | -.293 | -.249 | .50 | -.146 | -.246 | -.293 | -.270 | -.216 |
| .60 | -.153 | -.211 | -.321 | -.213 | -.104 | .60 | -.115 | -.183 | -.295 | -.203 | -.096 |
| .67 | | | -.420 | | | .67 | | | -.408 | | |
| .70 | -.089 | -.065 | | .040 | .065 | .70 | -.063 | -.044 | | .049 | .084 |
| .80 | .029 | | | .165 | .167 | .80 | .048 | | | .220 | .183 |
| .84 | | | .016 | | | .84 | | | .038 | | |
| .86 | | .128 | | | | .86 | | .140 | | | |
| .90 | | | | .218 | .216 | .90 | | | | .284 | .237 |
| .91 | .118 | | | | | .91 | .129 | | | | |
| .95 | .110 | .151 | .184 | .241 | .222 | .95 | .121 | .159 | .214 | .294 | .237 |

RUN = 480 POINT = 3

TABLE 77 CONTINUED

RUN = 480 POINT = 4

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .002 | .226 | .515 | .739 | .677 | 0.00 | -.018 | .163 | .444 | .731 | .726 |
| .05 | -.210 | -.423 | -.465 | -.442 | -.288 | .05 | -.254 | -.541 | -.689 | -.661 | -.445 |
| .10 | -.270 | -.363 | -.490 | -.378 | -.253 | .10 | -.320 | -.451 | -.672 | -.514 | -.402 |
| .20 | -.278 | -.340 | -.355 | -.293 | -.243 | .20 | -.308 | -.414 | -.416 | -.339 | -.314 |
| .30 | -.241 | -.340 | -.306 | -.251 | -.232 | .30 | -.267 | -.397 | -.358 | -.298 | -.291 |
| .40 | -.235 | -.270 | -.226 | -.233 | -.259 | .40 | -.269 | -.324 | -.268 | -.282 | -.287 |
| .50 | -.220 | -.224 | -.199 | -.231 | -.259 | .50 | -.244 | -.260 | -.220 | -.270 | -.297 |
| .60 | -.167 | -.167 | -.146 | -.247 | -.263 | .60 | -.198 | -.193 | -.165 | -.270 | -.291 |
| .67 | | | -.085 | | | .67 | | | -.105 | | |
| .70 | -.105 | -.163 | | -.269 | -.298 | .70 | -.122 | -.176 | | -.286 | -.318 |
| .80 | -.068 | | | -.301 | -.346 | .80 | -.082 | | | -.310 | -.361 |
| .84 | | | .027 | | | .84 | | | .030 | | |
| .86 | | -.102 | | | | .86 | | -.111 | | | |
| .90 | | | | -.243 | -.309 | .90 | | | | -.229 | -.316 |
| .91 | -.049 | | | | | .91 | -.051 | | | | |
| .95 | -.043 | -.079 | -.165 | -.127 | -.154 | .95 | -.039 | -.071 | -.170 | -.112 | -.152 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.077 | -.255 | -.420 | -.473 | .05 | .018 | .013 | -.098 | -.231 | -.283 |
| .10 | -.084 | -.115 | -.287 | -.424 | -.538 | .10 | -.039 | -.034 | -.185 | -.304 | -.365 |
| .20 | -.148 | -.140 | -.279 | -.372 | -.377 | .20 | -.101 | -.080 | -.225 | -.290 | -.293 |
| .30 | -.171 | -.186 | -.281 | -.328 | -.259 | .30 | -.126 | -.142 | -.227 | -.274 | -.228 |
| .40 | -.160 | -.212 | -.253 | -.303 | -.257 | .40 | -.118 | -.170 | -.221 | -.248 | -.215 |
| .50 | -.117 | -.207 | -.267 | -.231 | -.198 | .50 | -.082 | -.165 | -.231 | -.199 | -.160 |
| .60 | -.101 | -.157 | -.275 | -.191 | -.092 | .60 | -.068 | -.134 | -.246 | -.162 | -.070 |
| .67 | | | -.400 | | | .67 | | | -.387 | | |
| .70 | -.045 | -.035 | | .063 | .096 | .70 | -.020 | -.019 | | .071 | .102 |
| .80 | .065 | | | .238 | .236 | .80 | .082 | | | .254 | .266 |
| .84 | | | .047 | | | .84 | | | .055 | | |
| .86 | | .149 | | | | .86 | | .166 | | | |
| .90 | | | | .306 | .290 | .90 | | | | .317 | .326 |
| .91 | .136 | | | | | .91 | .151 | | | | |
| .95 | .121 | .158 | .225 | .302 | .292 | .95 | .136 | .172 | .233 | .303 | .315 |

RUN = 480 POINT = 5

TABLE 77 CONTINUED

RUN = 480 POINT = 6

| (E) ALPHA = 2.82 DEGREES | | | | | | (F) ALPHA = 3.29 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.045 | .078 | .371 | .677 | .730 | 0.00 | -.066 | .008 | .315 | .657 | .734 |
| .05 | -.293 | -.641 | -.968 | -.944 | -.685 | .05 | -.337 | -.715 | -1.112 | -1.070 | -.854 |
| .10 | -.369 | -.571 | -.866 | -.748 | -.535 | .10 | -.403 | -.648 | -1.004 | -.960 | -.715 |
| .20 | -.351 | -.479 | -.478 | -.380 | -.389 | .20 | -.376 | -.517 | -.599 | -.381 | -.382 |
| .30 | -.305 | -.451 | -.401 | -.339 | -.316 | .30 | -.326 | -.478 | -.424 | -.361 | -.347 |
| .40 | -.307 | -.374 | -.300 | -.315 | -.316 | .40 | -.320 | -.395 | -.311 | -.337 | -.335 |
| .50 | -.285 | -.294 | -.252 | -.301 | -.345 | .50 | -.306 | -.303 | -.259 | -.312 | -.351 |
| .60 | -.221 | -.214 | -.191 | -.298 | -.320 | .60 | -.246 | -.230 | -.198 | -.314 | -.332 |
| .67 | | | -.111 | | | .67 | | | -.116 | | |
| .70 | -.148 | -.189 | | -.303 | -.335 | .70 | -.161 | -.200 | | -.306 | -.345 |
| .80 | -.095 | | | -.315 | -.354 | .80 | -.109 | | | -.312 | -.361 |
| .84 | | | .028 | | | .84 | | | .032 | | |
| .86 | | -.107 | | | | .86 | | -.114 | | | |
| .90 | | | | -.221 | -.291 | .90 | | | | -.213 | -.277 |
| .91 | -.062 | | | | | .91 | -.064 | | | | |
| .95 | -.049 | -.061 | -.158 | -.099 | -.123 | .95 | -.051 | -.055 | -.169 | -.102 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .045 | .091 | .006 | -.105 | -.130 | .05 | .060 | .133 | .059 | -.033 | -.047 |
| .10 | -.012 | .047 | -.087 | -.187 | -.244 | .10 | 0.000 | .105 | -.045 | -.138 | -.179 |
| .20 | -.072 | -.013 | -.154 | -.211 | -.219 | .20 | -.059 | .053 | -.126 | -.175 | -.179 |
| .30 | -.099 | -.093 | -.172 | -.225 | -.188 | .30 | -.080 | -.076 | -.154 | -.191 | -.165 |
| .40 | -.089 | -.126 | -.170 | -.205 | -.163 | .40 | -.078 | -.106 | -.165 | -.177 | -.142 |
| .50 | -.062 | -.143 | -.193 | -.170 | -.142 | .50 | -.047 | -.120 | -.179 | -.163 | -.123 |
| .60 | -.045 | -.116 | -.221 | -.152 | -.057 | .60 | -.030 | -.097 | -.209 | -.136 | -.045 |
| .67 | | | -.370 | | | .67 | | | -.357 | | |
| .70 | -.006 | -.006 | | .075 | .110 | .70 | .006 | .003 | | .085 | .111 |
| .80 | .098 | | | .263 | .269 | .80 | .101 | | | .262 | .269 |
| .84 | | | .063 | | | .84 | | | .067 | | |
| .86 | | .173 | | | | .86 | | .179 | | | |
| .90 | | | | .321 | .332 | .90 | | | | .327 | .329 |
| .91 | .162 | | | | | .91 | .165 | | | | |
| .95 | .138 | .171 | .236 | .298 | .309 | .95 | .142 | .179 | .243 | .304 | .306 |

RUN = 480 POINT = 7

TABLE 77 CONTINUED

RUN = 480 POINT = 8

| (G) ALPHA = 3.76 DEGREES | | | | | | (H) ALPHA = 4.80 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.085 | -.019 | .249 | .618 | .733 | 0.00 | -.131 | -.144 | .174 | .550 | .693 |
| .05 | -.349 | -.807 | -1.270 | -1.193 | -1.042 | .05 | -.454 | -1.103 | -1.471 | -1.331 | -1.245 |
| .10 | -.430 | -.741 | -1.154 | -1.070 | -.878 | .10 | -.500 | -.881 | -1.411 | -1.287 | -1.155 |
| .20 | -.397 | -.563 | -.690 | -.365 | -.402 | .20 | -.446 | -.697 | -.935 | -1.086 | -.811 |
| .30 | -.347 | -.551 | -.428 | -.351 | -.380 | .30 | -.396 | -.658 | -.469 | -.356 | -.368 |
| .40 | -.343 | -.436 | -.322 | -.345 | -.363 | .40 | -.388 | -.523 | -.340 | -.327 | -.372 |
| .50 | -.335 | -.322 | -.267 | -.326 | -.375 | .50 | -.386 | -.363 | -.262 | -.321 | -.389 |
| .60 | -.260 | -.240 | -.202 | -.318 | -.345 | .60 | -.317 | -.266 | -.197 | -.315 | -.352 |
| .67 | | | -.122 | | | .67 | | | -.126 | | |
| .70 | -.172 | -.206 | | -.316 | -.353 | .70 | -.216 | -.212 | | -.309 | -.356 |
| .80 | -.120 | | | -.316 | -.355 | .80 | -.142 | | | -.297 | -.346 |
| .84 | | | .028 | | | .84 | | | .027 | | |
| .86 | | -.110 | | | | .86 | | -.109 | | | |
| .90 | | | | -.221 | -.269 | .90 | | | | -.211 | -.261 |
| .91 | -.075 | | | | | .91 | -.090 | | | | |
| .95 | -.058 | -.051 | -.166 | -.109 | -.112 | .95 | -.073 | -.037 | -.161 | -.112 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .067 | .173 | .129 | .028 | .029 | .05 | .085 | .233 | .231 | .141 | .124 |
| .10 | .015 | .148 | -0.000 | -.105 | -.122 | .10 | .043 | .203 | .087 | -.002 | -.020 |
| .20 | -.037 | .106 | -.089 | -.146 | -.147 | .20 | -.005 | .157 | -.024 | -.075 | -.061 |
| .30 | -.064 | -.053 | -.132 | -.156 | -.137 | .30 | -.030 | .004 | -.077 | -.106 | -.079 |
| .40 | -.056 | -.091 | -.162 | -.152 | -.126 | .40 | -.026 | -.046 | -.110 | -.104 | -.086 |
| .50 | -.027 | -.106 | -.158 | -.146 | -.112 | .50 | -.003 | -.069 | -.126 | -.106 | -.071 |
| .60 | -.019 | -.089 | -.195 | -.126 | -.042 | .60 | .002 | -.058 | -.163 | -.100 | -.015 |
| .67 | | | -.349 | | | .67 | | | -.335 | | |
| .70 | .013 | .005 | | .091 | .120 | .70 | .039 | .025 | | .103 | .134 |
| .80 | .108 | | | .266 | .274 | .80 | .124 | | | .274 | .287 |
| .84 | | | .070 | | | .84 | | | .074 | | |
| .86 | | .185 | | | | .86 | | .199 | | | |
| .90 | | | | .329 | .336 | .90 | | | | .338 | .336 |
| .91 | .172 | | | | | .91 | .180 | | | | |
| .95 | .147 | .177 | .243 | .299 | .307 | .95 | .157 | .176 | .245 | .322 | .316 |

RUN = 480 POINT = 9

TABLE 77 CONTINUED

RUN = 480 POINT = 10

| (I) ALPHA = 5.77 DEGREES | | | | | | (J) ALPHA = 7.76 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.196 | -.259 | .063 | .486 | .643 | 0.00 | -.305 | -.472 | -.129 | .360 | .586 |
| .05 | -.506 | -1.336 | -1.598 | -1.437 | -1.341 | .05 | -.685 | -1.533 | -1.413 | -.883 | -1.422 |
| .10 | -.562 | -1.093 | -1.552 | -1.381 | -1.329 | .10 | -.702 | -1.485 | -1.345 | -.826 | -1.356 |
| .20 | -.498 | -.780 | -1.442 | -1.237 | -1.203 | .20 | -.582 | -1.186 | -1.145 | -.713 | -.859 |
| .30 | -.442 | -.728 | -.724 | -.614 | -.442 | .30 | -.505 | -.868 | -1.015 | -.630 | -.625 |
| .40 | -.438 | -.594 | -.351 | -.416 | -.351 | .40 | -.508 | -.551 | -.889 | -.548 | -.514 |
| .50 | -.421 | -.409 | -.267 | -.343 | -.357 | .50 | -.499 | -.427 | -.761 | -.473 | -.450 |
| .60 | -.355 | -.288 | -.198 | -.306 | -.334 | .60 | -.412 | -.334 | -.639 | -.418 | -.380 |
| .67 | | | -.137 | | | .67 | | | -.546 | | |
| .70 | -.252 | -.231 | | -.276 | -.328 | .70 | -.305 | -.290 | | -.366 | -.348 |
| .80 | -.171 | | | -.245 | -.324 | .80 | -.229 | | | -.321 | -.292 |
| .84 | | | .030 | | | .84 | | | .024 | | |
| .86 | | -.110 | | | | .86 | | -.140 | | | |
| .90 | | | | -.162 | -.243 | .90 | | | | -.285 | -.230 |
| .91 | -.109 | | | | | .91 | -.155 | | | | |
| .95 | -.095 | -.041 | -.147 | -.099 | -.118 | .95 | -.128 | -.052 | -.219 | -.256 | -.174 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .271 | .309 | .215 | .211 | .05 | .110 | .345 | .429 | .335 | .307 |
| .10 | .070 | .248 | .152 | .063 | .055 | .10 | .114 | .316 | .258 | .177 | .142 |
| .20 | .022 | .204 | .036 | -.028 | -.006 | .20 | .085 | .280 | .126 | .055 | .051 |
| .30 | .004 | .038 | -.032 | -.064 | -.035 | .30 | .067 | .116 | .045 | -.011 | -.004 |
| .40 | .004 | -.013 | -.071 | -.073 | -.056 | .40 | .065 | .053 | .005 | -.037 | -.041 |
| .50 | .026 | -.034 | -.097 | -.085 | -.058 | .50 | .077 | .018 | -.053 | -.078 | -.056 |
| .60 | .032 | -.034 | -.146 | -.093 | -.010 | .60 | .077 | .005 | -.112 | -.101 | -.023 |
| .67 | | | -.319 | | | .67 | | | -.291 | | |
| .70 | .057 | .040 | | .105 | .134 | .70 | .096 | .066 | | .069 | .105 |
| .80 | .142 | | | .277 | .290 | .80 | .166 | | | .233 | .272 |
| .84 | | | .077 | | | .84 | | | .031 | | |
| .86 | | .202 | | | | .86 | | .214 | | | |
| .90 | | | | .329 | .340 | .90 | | | | .289 | .316 |
| .91 | .194 | | | | | .91 | .209 | | | | |
| .95 | .161 | .176 | .250 | .311 | .317 | .95 | .176 | .172 | .232 | .249 | .291 |

RUN = 480 POINT = 11

TABLE 77 CONTINUED

RUN = 480 POINT = 12

| (K) ALPHA = 9.64 DEGREES | | | | | | (L) ALPHA = 11.55 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.424 | -.701 | -.312 | .246 | .514 | 0.00 | -.615 | -.928 | -.456 | .129 | .489 |
| .05 | -.922 | -1.589 | -1.087 | -.737 | -1.117 | .05 | -1.099 | -1.575 | -1.013 | -.670 | -.506 |
| .10 | -.870 | -1.606 | -1.035 | -.721 | -.838 | .10 | -.984 | -1.482 | -.956 | -.656 | -.504 |
| .20 | -.660 | -1.494 | -.981 | -.672 | -.761 | .20 | -.719 | -1.313 | -.949 | -.645 | -.489 |
| .30 | -.569 | -1.338 | -.896 | -.640 | -.660 | .30 | -.636 | -1.210 | -.914 | -.623 | -.479 |
| .40 | -.577 | -1.035 | -.854 | -.585 | -.538 | .40 | -.613 | -1.135 | -.873 | -.605 | -.450 |
| .50 | -.554 | -.491 | -.817 | -.547 | -.511 | .50 | -.514 | -1.049 | -.825 | -.582 | -.436 |
| .60 | -.432 | -.514 | -.775 | -.496 | -.451 | .60 | -.481 | -.929 | -.784 | -.564 | -.419 |
| .67 | | | -.736 | | | .67 | | | -.759 | | |
| .70 | -.366 | -.416 | | -.459 | -.412 | .70 | -.435 | -.776 | | -.544 | -.419 |
| .80 | -.327 | | | -.437 | -.383 | .80 | -.392 | | | -.518 | -.411 |
| .84 | | | .012 | | | .84 | | | .012 | | |
| .86 | | -.278 | | | | .86 | | -.582 | | | |
| .90 | | | | -.391 | -.338 | .90 | | | | -.497 | -.395 |
| .91 | -.222 | | | | | .91 | -.342 | | | | |
| .95 | -.177 | -.201 | -.512 | -.389 | -.312 | .95 | -.280 | -.456 | -.666 | -.475 | -.392 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .102 | .390 | .504 | .417 | .377 | .05 | .094 | .410 | .567 | .498 | .425 |
| .10 | .151 | .369 | .349 | .254 | .209 | .10 | .164 | .393 | .412 | .326 | .263 |
| .20 | .139 | .329 | .197 | .111 | .096 | .20 | .182 | .360 | .261 | .176 | .129 |
| .30 | .112 | .176 | .117 | .040 | .032 | .30 | .168 | .218 | .161 | .078 | .058 |
| .40 | .116 | .109 | .044 | -.002 | -.021 | .40 | .160 | .156 | .086 | .035 | -.009 |
| .50 | .121 | .067 | -.024 | -.067 | -.050 | .50 | .164 | .101 | .010 | -.052 | -.049 |
| .60 | .116 | .033 | -.104 | -.105 | -.034 | .60 | .143 | .062 | -.084 | -.103 | -.047 |
| .67 | | | -.277 | | | .67 | | | -.258 | | |
| .70 | .123 | .082 | | .051 | .076 | .70 | .143 | .091 | | .039 | .052 |
| .80 | .180 | | | .211 | .229 | .80 | .195 | | | .205 | .209 |
| .84 | | | -.004 | | | .84 | | | -.039 | | |
| .86 | | .212 | | | | .86 | | .201 | | | |
| .90 | | | | .269 | .284 | .90 | | | | .249 | .247 |
| .91 | .213 | | | | | .91 | .213 | | | | |
| .95 | .174 | .149 | .176 | .223 | .256 | .95 | .166 | .103 | .137 | .209 | .205 |

RUN = 480 POINT = 13

TABLE 77

CONCLUDED

| | (M) ALPHA = .26 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .015 | .282 | .563 | .736 | .603 |
| .05 | -.149 | -.258 | -.319 | -.282 | -.134 |
| .10 | -.223 | -.272 | -.371 | -.243 | -.161 |
| .20 | -.245 | -.282 | -.281 | -.209 | -.170 |
| .30 | -.202 | -.286 | -.259 | -.207 | -.187 |
| .40 | -.202 | -.234 | -.192 | -.188 | -.212 |
| .50 | -.190 | -.198 | -.175 | -.192 | -.224 |
| .60 | -.142 | -.144 | -.117 | -.211 | -.234 |
| .67 | | | -.059 | | |
| .70 | -.081 | -.138 | | -.243 | -.264 |
| .80 | -.058 | | | -.280 | -.326 |
| .84 | | | .032 | | |
| .86 | | -.098 | | | |
| .90 | | | | -.237 | -.289 |
| .91 | -.042 | | | | |
| .95 | -.033 | -.079 | -.157 | -.121 | -.132 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.046 | -.169 | -.412 | -.610 | -.812 |
| .10 | -.116 | .022 | -.396 | -.559 | -.735 |
| .20 | -.173 | .174 | -.356 | -.475 | -.399 |
| .30 | -.194 | -.240 | -.333 | -.380 | -.301 |
| .40 | -.188 | -.254 | -.288 | -.331 | -.291 |
| .50 | -.145 | -.238 | -.300 | -.262 | -.230 |
| .60 | -.120 | -.188 | -.298 | -.203 | -.103 |
| .67 | | | -.266 | | |
| .70 | -.066 | -.046 | | .046 | .082 |
| .80 | .048 | | | .211 | .182 |
| .84 | | | .046 | | |
| .86 | | .144 | | | |
| .90 | | | | .280 | .228 |
| .91 | .128 | | | | |
| .95 | .116 | .153 | .217 | .288 | .242 |

RUN = 479 POINT = 3

TABLE 78

WING PRESSURE COEFFICIENTS

RUN = 479 POINT = 4

| (A) ALPHA = -.76 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .023 | .303 | .614 | .731 | .567 | 0.00 | .013 | .273 | .587 | .748 | .635 |
| .05 | -.100 | -.153 | -.155 | -.138 | .009 | .05 | -.155 | -.269 | -.310 | -.307 | -.139 |
| .10 | -.174 | -.174 | -.245 | -.147 | -.049 | .10 | -.231 | -.259 | -.363 | -.279 | -.163 |
| .20 | -.200 | -.208 | -.210 | -.145 | -.104 | .20 | -.239 | -.278 | -.287 | -.247 | -.177 |
| .30 | -.165 | -.230 | -.200 | -.147 | -.128 | .30 | -.208 | -.304 | -.277 | -.213 | -.194 |
| .40 | -.165 | -.189 | -.151 | -.143 | -.162 | .40 | -.202 | -.244 | -.199 | -.189 | -.220 |
| .50 | -.153 | -.161 | -.131 | -.151 | -.188 | .50 | -.194 | -.204 | -.177 | -.200 | -.240 |
| .60 | -.110 | -.115 | -.111 | -.182 | -.202 | .60 | -.148 | -.155 | -.142 | -.223 | -.246 |
| .67 | | | -.038 | | | .67 | | | -.068 | | |
| .70 | -.061 | -.121 | | -.220 | -.260 | .70 | -.087 | -.150 | | -.255 | -.307 |
| .80 | -.033 | | | -.269 | -.338 | .80 | -.056 | | | -.307 | -.368 |
| .84 | | | .037 | | | .84 | | | .034 | | |
| .86 | | -.085 | | | | .86 | | -.102 | | | |
| .90 | | | | -.216 | -.297 | .90 | | | | -.241 | -.296 |
| .91 | -.031 | | | | | .91 | -.045 | | | | |
| .95 | -.031 | -.077 | -.155 | -.087 | -.123 | .95 | -.041 | -.076 | -.165 | -.109 | -.117 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.086 | -.293 | -.627 | -.814 | -.916 | .05 | -.045 | -.169 | -.395 | -.618 | -.794 |
| .10 | -.159 | -.020 | -.567 | -.908 | -1.040 | .10 | -.115 | -.128 | -.431 | -.670 | -.903 |
| .20 | -.218 | .128 | -.522 | -.724 | -.958 | .20 | -.183 | -.013 | -.408 | -.537 | -.755 |
| .30 | -.249 | -.328 | -.503 | -.558 | -.853 | .30 | -.216 | -.261 | -.374 | -.494 | -.261 |
| .40 | -.241 | -.336 | -.378 | -.546 | -.202 | .40 | -.198 | -.281 | -.352 | -.532 | -.300 |
| .50 | -.190 | -.332 | -.366 | -.274 | -.189 | .50 | -.153 | -.285 | -.333 | -.258 | -.227 |
| .60 | -.167 | -.241 | -.368 | -.186 | -.086 | .60 | -.134 | -.206 | -.354 | -.200 | -.094 |
| .67 | | | -.256 | | | .67 | | | -.268 | | |
| .70 | -.110 | -.077 | | .055 | .088 | .70 | -.089 | -.062 | | .066 | .099 |
| .80 | .017 | | | .167 | .230 | .80 | .038 | | | .223 | .210 |
| .84 | | | .035 | | | .84 | | | .043 | | |
| .86 | | .114 | | | | .86 | | .127 | | | |
| .90 | | | | .213 | .287 | .90 | | | | .287 | .263 |
| .91 | .109 | | | | | .91 | .122 | | | | |
| .95 | .109 | .144 | .196 | .252 | .276 | .95 | .116 | .155 | .217 | .287 | .267 |

RUN = 479 POINT = 5

TABLE 78 CONTINUED

RUN = 479 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.92 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .225 | .521 | .747 | .687 | 0.00 | -.022 | .170 | .477 | .739 | .725 |
| .05 | -.205 | -.403 | -.473 | -.517 | -.296 | .05 | -.236 | -.489 | -.697 | -.752 | -.489 |
| .10 | -.274 | -.362 | -.553 | -.422 | -.270 | .10 | -.314 | -.448 | -.667 | -.654 | -.406 |
| .20 | -.280 | -.338 | -.436 | -.321 | -.255 | .20 | -.310 | -.434 | -.524 | -.271 | -.348 |
| .30 | -.241 | -.338 | -.334 | -.265 | -.250 | .30 | -.273 | -.451 | -.396 | -.286 | -.310 |
| .40 | -.241 | -.297 | -.242 | -.241 | -.272 | .40 | -.273 | -.367 | -.247 | -.280 | -.310 |
| .50 | -.241 | -.242 | -.211 | -.241 | -.279 | .50 | -.275 | -.265 | -.229 | -.271 | -.319 |
| .60 | -.188 | -.176 | -.166 | -.261 | -.281 | .60 | -.212 | -.194 | -.178 | -.291 | -.306 |
| .67 | | | -.088 | | | .67 | | | -.094 | | |
| .70 | -.114 | -.168 | | -.287 | -.327 | .70 | -.139 | -.174 | | -.310 | -.348 |
| .80 | -.071 | | | -.328 | -.411 | .80 | -.084 | | | -.327 | -.421 |
| .84 | | | .026 | | | .84 | | | .040 | | |
| .86 | | -.105 | | | | .86 | | -.105 | | | |
| .90 | | | | -.244 | -.305 | .90 | | | | -.224 | -.302 |
| .91 | -.057 | | | | | .91 | -.059 | | | | |
| .95 | -.045 | -.072 | -.176 | -.110 | -.122 | .95 | -.049 | -.066 | -.169 | -.094 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.018 | -.076 | -.231 | -.411 | -.556 | .05 | .017 | .015 | -.111 | -.241 | -.295 |
| .10 | -.081 | -.095 | -.289 | -.467 | -.615 | .10 | -.047 | -.020 | -.188 | -.331 | -.450 |
| .20 | -.153 | -.058 | -.302 | -.429 | -.461 | .20 | -.116 | -.026 | -.231 | -.329 | -.345 |
| .30 | -.178 | -.198 | -.313 | -.392 | -.310 | .30 | -.143 | -.145 | -.248 | -.333 | -.272 |
| .40 | -.164 | -.229 | -.280 | -.383 | -.276 | .40 | -.131 | -.180 | -.224 | -.314 | -.232 |
| .50 | -.125 | -.231 | -.287 | -.259 | -.213 | .50 | -.092 | -.188 | -.252 | -.222 | -.178 |
| .60 | -.106 | -.182 | -.313 | -.189 | -.091 | .60 | -.076 | -.149 | -.282 | -.180 | -.078 |
| .67 | | | -.269 | | | .67 | | | -.258 | | |
| .70 | -.061 | -.048 | | .072 | .102 | .70 | -.029 | -.030 | | .083 | .114 |
| .80 | .053 | | | .242 | .235 | .80 | .072 | | | .250 | .260 |
| .84 | | | .055 | | | .84 | | | .068 | | |
| .86 | | .144 | | | | .86 | | .159 | | | |
| .90 | | | | .308 | .297 | .90 | | | | .318 | .320 |
| .91 | .135 | | | | | .91 | .152 | | | | |
| .95 | .121 | .162 | .226 | .288 | .284 | .95 | .138 | .169 | .236 | .311 | .313 |

RUN = 479 POINT = 7

TABLE 78 CONTINUED

RUN = 479 POINT = 8

| (E) ALPHA = 2.82 DEGREES | | | | | | (F) ALPHA = 3.30 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.048 | .100 | .414 | .701 | .736 | 0.00 | -.063 | .051 | .367 | .689 | .746 |
| .05 | -.281 | -.619 | -.972 | -.859 | -.772 | .05 | -.334 | -.733 | -1.050 | -.953 | -.856 |
| .10 | -.359 | -.591 | -.870 | -.947 | -.667 | .10 | -.389 | -.661 | -1.001 | -.996 | -.888 |
| .20 | -.354 | -.520 | -.677 | -.795 | -.277 | .20 | -.368 | -.560 | -.761 | -.876 | -.754 |
| .30 | -.308 | -.510 | -.671 | -.183 | -.328 | .30 | -.327 | -.558 | -.749 | -.745 | -.203 |
| .40 | -.314 | -.439 | -.281 | -.248 | -.362 | .40 | -.342 | -.512 | -.366 | -.196 | -.324 |
| .50 | -.318 | -.332 | -.240 | -.280 | -.375 | .50 | -.348 | -.396 | -.240 | -.241 | -.382 |
| .60 | -.259 | -.226 | -.193 | -.304 | -.369 | .60 | -.295 | -.244 | -.183 | -.281 | -.374 |
| .67 | | | -.104 | | | .67 | | | -.102 | | |
| .70 | -.169 | -.195 | | -.325 | -.375 | .70 | -.199 | -.199 | | -.324 | -.391 |
| .80 | -.112 | | | -.349 | -.393 | .80 | -.124 | | | -.345 | -.400 |
| .84 | | | .037 | | | .84 | | | .036 | | |
| .86 | | -.108 | | | | .86 | | -.108 | | | |
| .90 | | | | -.235 | -.253 | .90 | | | | -.234 | -.266 |
| .91 | -.073 | | | | | .91 | -.075 | | | | |
| .95 | -.055 | -.058 | -.169 | -.106 | -.096 | .95 | -.062 | -.044 | -.167 | -.106 | -.099 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .078 | .006 | -.104 | -.140 | .05 | .053 | .126 | .068 | -.043 | -.055 |
| .10 | -.014 | .043 | -.102 | -.213 | -.266 | .10 | 0.000 | .100 | -.052 | -.153 | -.209 |
| .20 | -.087 | .011 | -.170 | -.241 | -.254 | .20 | -.065 | .064 | -.129 | -.198 | -.200 |
| .30 | -.106 | -.100 | -.194 | -.256 | -.223 | .30 | -.085 | -.074 | -.164 | -.217 | -.192 |
| .40 | -.100 | -.139 | -.181 | -.243 | -.188 | .40 | -.079 | -.114 | -.170 | -.215 | -.164 |
| .50 | -.065 | -.161 | -.213 | -.196 | -.151 | .50 | -.046 | -.134 | -.191 | -.174 | -.133 |
| .60 | -.048 | -.126 | -.250 | -.162 | -.066 | .60 | -.038 | -.108 | -.238 | -.146 | -.051 |
| .67 | | | -.256 | | | .67 | | | -.255 | | |
| .70 | -.012 | -.016 | | .091 | .109 | .70 | .004 | -.002 | | .095 | .118 |
| .80 | .090 | | | .260 | .271 | .80 | .100 | | | .273 | .278 |
| .84 | | | .064 | | | .84 | | | .080 | | |
| .86 | | .172 | | | | .86 | | .182 | | | |
| .90 | | | | .321 | .324 | .90 | | | | .341 | .336 |
| .91 | .161 | | | | | .91 | .169 | | | | |
| .95 | .143 | .174 | .237 | .308 | .311 | .95 | .151 | .180 | .244 | .310 | .315 |

RUN = 479 POINT = 9

TABLE 78 CONTINUED

RUN = 479 POINT = 10

| (G) ALPHA = 3.83 DEGREES | | | | | | (H) ALPHA = 4.87 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.085 | .008 | .331 | .668 | .731 | 0.00 | -.123 | -.080 | .253 | .619 | .726 |
| .05 | -.379 | -.827 | -1.144 | -1.006 | -.903 | .05 | -.441 | -1.057 | -1.254 | -1.103 | -1.023 |
| .10 | -.434 | -.743 | -1.091 | -1.053 | -.951 | .10 | -.488 | -.946 | -1.285 | -1.141 | -1.054 |
| .20 | -.399 | -.590 | -.893 | -.966 | -.875 | .20 | -.439 | -.660 | -1.189 | -1.111 | -1.016 |
| .30 | -.356 | -.610 | -.779 | -.910 | -.785 | .30 | -.385 | -.678 | -.817 | -1.054 | -.951 |
| .40 | -.358 | -.573 | -.491 | -.300 | -.234 | .40 | -.394 | -.674 | -.713 | -.985 | -.890 |
| .50 | -.381 | -.436 | -.259 | -.221 | -.319 | .50 | -.418 | -.550 | -.370 | -.408 | -.677 |
| .60 | -.324 | -.281 | -.183 | -.255 | -.336 | .60 | -.383 | -.368 | -.178 | -.214 | -.207 |
| .67 | | | -.100 | | | .67 | | | -.099 | | |
| .70 | -.230 | -.206 | | -.296 | -.378 | .70 | -.287 | -.233 | | -.242 | -.253 |
| .80 | -.144 | | | -.326 | -.400 | .80 | -.179 | | | -.266 | -.303 |
| .84 | | | .034 | | | .84 | | | .037 | | |
| .86 | | -.100 | | | | .86 | | -.099 | | | |
| .90 | | | | -.232 | -.277 | .90 | | | | -.193 | -.257 |
| .91 | -.083 | | | | | .91 | -.103 | | | | |
| .95 | -.065 | -.037 | -.159 | -.108 | -.109 | .95 | -.082 | -.025 | -.136 | -.092 | -.104 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .154 | .124 | .001 | -.001 | .05 | .085 | .227 | .229 | .112 | .103 |
| .10 | .010 | .131 | -.007 | -.106 | -.146 | .10 | .051 | .193 | .069 | -.025 | -.041 |
| .20 | -.044 | .097 | -.095 | -.164 | -.160 | .20 | -.004 | .152 | -.029 | -.098 | -.084 |
| .30 | -.069 | -.051 | -.140 | -.189 | -.166 | .30 | -.027 | -0.000 | -.085 | -.133 | -.096 |
| .40 | -.069 | -.090 | -.159 | -.185 | -.147 | .40 | -.016 | -.043 | -.118 | -.131 | -.093 |
| .50 | -.030 | -.116 | -.166 | -.163 | -.122 | .50 | .005 | -.071 | -.133 | -.122 | -.078 |
| .60 | -.020 | -.096 | -.215 | -.133 | -.037 | .60 | .016 | -.061 | -.180 | -.102 | -.008 |
| .67 | | | -.253 | | | .67 | | | -.244 | | |
| .70 | .012 | .002 | | .105 | .125 | .70 | .042 | .023 | | .119 | .149 |
| .80 | .104 | | | .279 | .286 | .80 | .131 | | | .296 | .305 |
| .84 | | | .081 | | | .84 | | | .095 | | |
| .86 | | .188 | | | | .86 | | .203 | | | |
| .90 | | | | .340 | .342 | .90 | | | | .353 | .364 |
| .91 | .170 | | | | | .91 | .192 | | | | |
| .95 | .151 | .174 | .246 | .331 | .321 | .95 | .166 | .178 | .253 | .333 | .338 |

RUN = 479 POINT = 11

TABLE 78 CONTINUED

RUN = 479 POINT = 12

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 9.79 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.184 | -.196 | .159 | .553 | .691 | 0.00 | -.439 | -.580 | -.175 | .335 | .566 |
| .05 | -.523 | -1.278 | -1.369 | -1.209 | -1.117 | .05 | -.843 | -1.409 | -1.078 | -.726 | -1.342 |
| .10 | -.583 | -1.210 | -1.388 | -1.239 | -1.146 | .10 | -.858 | -1.401 | -1.080 | -.684 | -1.288 |
| .20 | -.503 | -.759 | -1.322 | -1.210 | -1.119 | .20 | -.649 | -1.395 | -.980 | -.669 | -1.015 |
| .30 | -.429 | -.730 | -1.234 | -1.175 | -1.089 | .30 | -.553 | -1.314 | -.884 | -.621 | -.775 |
| .40 | -.442 | -.732 | -.760 | -1.105 | -1.026 | .40 | -.565 | -1.104 | -.820 | -.585 | -.685 |
| .50 | -.468 | -.652 | -.566 | -.897 | -.986 | .50 | -.598 | -.937 | -.780 | -.547 | -.637 |
| .60 | -.456 | -.476 | -.237 | -.419 | -.626 | .60 | -.561 | -.802 | -.747 | -.530 | -.600 |
| .67 | | | -.127 | | | .67 | | | -.706 | | |
| .70 | -.372 | -.278 | | -.267 | -.234 | .70 | -.351 | -.643 | | -.489 | -.541 |
| .80 | -.241 | | | -.213 | -.193 | .80 | -.373 | | | -.459 | -.489 |
| .84 | | | .032 | | | .84 | | | .016 | | |
| .86 | | -.096 | | | | .86 | | -.404 | | | |
| .90 | | | | -.134 | -.134 | .90 | | | | -.437 | -.378 |
| .91 | -.147 | | | | | .91 | -.314 | | | | |
| .95 | -.126 | -.034 | -.092 | -.068 | -.066 | .95 | -.257 | -.318 | -.598 | -.405 | -.329 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .100 | .289 | .319 | .202 | .187 | .05 | .109 | .392 | .510 | .413 | .374 |
| .10 | .078 | .258 | .157 | .056 | .035 | .10 | .144 | .349 | .346 | .236 | .192 |
| .20 | .029 | .210 | .039 | -.037 | -.024 | .20 | .138 | .281 | .202 | .107 | .075 |
| .30 | .014 | .054 | -.027 | -.078 | -.052 | .30 | .129 | .172 | .105 | .017 | .013 |
| .40 | .012 | 0.000 | -.072 | -.083 | -.054 | .40 | .121 | .105 | .046 | -.019 | -.036 |
| .50 | .035 | -.036 | -.098 | -.085 | -.054 | .50 | .129 | .060 | -.032 | -.092 | -.076 |
| .60 | .043 | -.034 | -.156 | -.079 | .002 | .60 | .121 | .024 | -.116 | -.133 | -.056 |
| .67 | | | -.241 | | | .67 | | | -.236 | | |
| .70 | .065 | .044 | | .125 | .151 | .70 | .121 | .065 | | .042 | .071 |
| .80 | .146 | | | .294 | .310 | .80 | .181 | | | .222 | .247 |
| .84 | | | .097 | | | .84 | | | -.015 | | |
| .86 | | .210 | | | | .86 | | .196 | | | |
| .90 | | | | .354 | .358 | .90 | | | | .271 | .295 |
| .91 | .201 | | | | | .91 | .215 | | | | |
| .95 | .170 | .176 | .260 | .325 | .336 | .95 | .164 | .123 | .165 | .236 | .258 |

RUN = 479 POINT = 13

TABLE 78 CONCLUDED

RUN = 479 POINT = 14

| (K) ALPHA = 11.65 DEGREES | | | | | | (L) ALPHA = .25 DEGREES | | | | | |
|---------------------------|--------|--------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.570 | -.750 | -.330 | .216 | .527 | 0.00 | .011 | .271 | .583 | .748 | .646 |
| .05 | -1.074 | -1.410 | -.821 | -.681 | -.533 | .05 | -.140 | -.275 | -.297 | -.294 | -.125 |
| .10 | -1.035 | -1.399 | -.815 | -.671 | -.526 | .10 | -.230 | -.259 | -.379 | -.270 | -.156 |
| .20 | -.672 | -1.309 | -.842 | -.647 | -.515 | .20 | -.241 | -.282 | -.281 | -.234 | -.172 |
| .30 | -.567 | -1.087 | -.825 | -.636 | -.495 | .30 | -.204 | -.297 | -.275 | -.215 | -.187 |
| .40 | -.578 | -.997 | -.797 | -.627 | -.485 | .40 | -.208 | -.246 | -.199 | -.193 | -.213 |
| .50 | -.604 | -.940 | -.770 | -.613 | -.456 | .50 | -.195 | -.201 | -.187 | -.201 | -.235 |
| .60 | -.336 | -.883 | -.743 | -.591 | -.449 | .60 | -.148 | -.152 | -.134 | -.225 | -.238 |
| .67 | | | -.735 | | | .67 | | | -.065 | | |
| .70 | -.404 | -.794 | | -.582 | -.443 | .70 | -.089 | -.146 | | -.257 | -.297 |
| .80 | -.367 | | | -.554 | -.438 | .80 | -.058 | | | -.307 | -.370 |
| .84 | | | .014 | | | .84 | | | .035 | | |
| .86 | | -.692 | | | | .86 | | -.098 | | | |
| .90 | | | | -.537 | -.428 | .90 | | | | -.242 | -.295 |
| .91 | -.379 | | | | | .91 | -.047 | | | | |
| .95 | -.350 | -.614 | -.698 | -.509 | -.417 | .95 | -.039 | -.072 | -.163 | -.113 | -.112 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .109 | .425 | .569 | .493 | .426 | .05 | -.047 | -.181 | -.389 | -.610 | -.792 |
| .10 | .174 | .397 | .415 | .322 | .256 | .10 | -.121 | .008 | -.406 | -.638 | -.901 |
| .20 | .191 | .344 | .272 | .174 | .123 | .20 | -.181 | .152 | -.408 | -.539 | -.706 |
| .30 | .181 | .228 | .166 | .070 | .051 | .30 | -.208 | -.252 | -.392 | -.489 | -.246 |
| .40 | .170 | .157 | .099 | .023 | -.021 | .40 | -.200 | -.277 | -.326 | -.543 | -.297 |
| .50 | .174 | .101 | .005 | -.067 | -.065 | .50 | -.158 | -.287 | -.333 | -.260 | -.227 |
| .60 | .156 | .056 | -.098 | -.123 | -.063 | .60 | -.138 | -.206 | -.346 | -.192 | -.092 |
| .67 | | | -.219 | | | .67 | | | -.236 | | |
| .70 | .150 | .087 | | .041 | .057 | .70 | -.080 | -.063 | | .066 | .099 |
| .80 | .199 | | | .223 | .212 | .80 | .034 | | | .221 | .212 |
| .84 | | | -.046 | | | .84 | | | .037 | | |
| .86 | | .190 | | | | .86 | | .130 | | | |
| .90 | | | | .273 | .264 | .90 | | | | .290 | .263 |
| .91 | .216 | | | | | .91 | .120 | | | | |
| .95 | .158 | .076 | .153 | .227 | .218 | .95 | .116 | .154 | .217 | .296 | .266 |

RUN = 478 POINT = 1

TABLE 79

WING PRESSURE COEFFICIENTS

RUN = 478 POINT = 2

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .18 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .301 | .623 | .735 | .584 | 0.00 | .003 | .271 | .593 | .752 | .643 |
| .05 | 0.000 | -.151 | -.136 | -.140 | .006 | .05 | .007 | -.271 | -.300 | -.329 | -.137 |
| .10 | -.184 | -.175 | -.254 | -.156 | -.061 | .10 | -.226 | -.259 | -.367 | -.283 | -.168 |
| .20 | -.202 | -.198 | -.202 | -.154 | -.103 | .20 | -.247 | -.267 | -.269 | -.235 | -.173 |
| .30 | -.171 | -.233 | -.206 | -.149 | -.135 | .30 | -.207 | -.292 | -.263 | -.215 | -.193 |
| .40 | -.171 | -.188 | -.151 | -.141 | -.173 | .40 | -.203 | -.254 | -.188 | -.184 | -.215 |
| .50 | -.159 | -.161 | -.144 | -.156 | -.193 | .50 | -.199 | -.204 | -.188 | -.197 | -.248 |
| .60 | -.117 | -.120 | -.109 | -.184 | -.209 | .60 | -.151 | -.148 | -.134 | -.223 | -.248 |
| .67 | | | -.046 | | | .67 | | | -.064 | | |
| .70 | -.063 | -.119 | | -.224 | -.265 | .70 | -.088 | -.150 | | -.263 | -.307 |
| .80 | -.037 | | | -.280 | -.356 | .80 | -.057 | | | -.314 | -.412 |
| .84 | | | .037 | | | .84 | | | .036 | | |
| .86 | | -.089 | | | | .86 | | -.099 | | | |
| .90 | | | | -.219 | -.296 | .90 | | | | -.241 | -.282 |
| .91 | -.039 | | | | | .91 | -.048 | | | | |
| .95 | -.036 | -.080 | -.159 | -.084 | -.121 | .95 | -.044 | -.074 | -.163 | -.096 | -.107 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.090 | -.306 | -.619 | -.774 | -.864 | .05 | -.050 | -.184 | -.421 | -.627 | -.752 |
| .10 | -.157 | -.208 | -.579 | -.885 | -.995 | .10 | -.121 | -.186 | -.412 | -.662 | -.869 |
| .20 | -.227 | -.052 | -.529 | -.743 | -.966 | .20 | -.188 | -.123 | -.421 | -.566 | -.804 |
| .30 | -.252 | -.328 | -.516 | -.693 | -.877 | .30 | -.221 | -.256 | -.415 | -.505 | -.683 |
| .40 | -.242 | -.343 | -.485 | -.658 | -.774 | .40 | -.211 | -.285 | -.379 | -.550 | -.224 |
| .50 | -.196 | -.395 | -.385 | -.540 | -.119 | .50 | -.161 | -.298 | -.353 | -.320 | -.195 |
| .60 | -.177 | -.258 | -.405 | -.160 | -.045 | .60 | -.138 | -.219 | -.368 | -.172 | -.089 |
| .67 | | | -.304 | | | .67 | | | -.316 | | |
| .70 | -.122 | -.084 | | .067 | .105 | .70 | -.097 | -.068 | | .076 | .108 |
| .80 | .010 | | | .173 | .249 | .80 | .026 | | | .212 | .230 |
| .84 | | | .017 | | | .84 | | | .040 | | |
| .86 | | .099 | | | | .86 | | .122 | | | |
| .90 | | | | .236 | .316 | .90 | | | | .275 | .288 |
| .91 | .104 | | | | | .91 | .118 | | | | |
| .95 | .102 | .138 | .181 | .258 | .290 | .95 | .114 | .149 | .214 | .277 | .286 |

RUN = 478 POINT = 3

TABLE 79 CONTINUED

RUN = 478 POINT = 4

| (C) ALPHA = 1.03 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.006 | .234 | .539 | .754 | .695 | 0.00 | -.021 | .184 | .488 | .745 | .729 |
| .05 | -.210 | -.369 | -.455 | -.534 | -.273 | .05 | -.255 | -.478 | -.675 | -.714 | -.486 |
| .10 | -.267 | -.348 | -.532 | -.431 | -.276 | .10 | -.313 | -.451 | -.673 | -.729 | -.424 |
| .20 | -.273 | -.348 | -.445 | -.319 | -.254 | .20 | -.309 | -.430 | -.547 | -.572 | -.335 |
| .30 | -.240 | -.393 | -.318 | -.262 | -.254 | .30 | -.276 | -.443 | -.540 | -.247 | -.315 |
| .40 | -.244 | -.322 | -.227 | -.238 | -.273 | .40 | -.280 | -.376 | -.246 | -.278 | -.317 |
| .50 | -.237 | -.245 | -.223 | -.236 | -.289 | .50 | -.288 | -.298 | -.231 | -.276 | -.344 |
| .60 | -.187 | -.177 | -.162 | -.260 | -.291 | .60 | -.230 | -.200 | -.177 | -.300 | -.330 |
| .67 | | | -.081 | | | .67 | | | -.092 | | |
| .70 | -.116 | -.166 | | -.295 | -.331 | .70 | -.142 | -.181 | | -.328 | -.346 |
| .80 | -.075 | | | -.338 | -.454 | .80 | -.094 | | | -.357 | -.450 |
| .84 | | | .035 | | | .84 | | | .036 | | |
| .86 | | -.104 | | | | .86 | | -.107 | | | |
| .90 | | | | -.246 | -.296 | .90 | | | | -.230 | -.299 |
| .91 | -.052 | | | | | .91 | -.063 | | | | |
| .95 | -.047 | -.069 | -.175 | -.098 | -.113 | .95 | -.050 | -.066 | -.181 | -.091 | -.105 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.022 | -.085 | -.231 | -.408 | -.584 | .05 | .008 | -.002 | -.129 | -.271 | -.306 |
| .10 | -.083 | -.114 | -.310 | -.494 | -.679 | .10 | -.052 | -.041 | -.219 | -.352 | -.498 |
| .20 | -.164 | -.117 | -.328 | -.437 | -.581 | .20 | -.128 | -.076 | -.251 | -.363 | -.402 |
| .30 | -.181 | -.206 | -.336 | -.430 | -.454 | .30 | -.153 | -.156 | -.269 | -.344 | -.314 |
| .40 | -.165 | -.233 | -.319 | -.507 | -.253 | .40 | -.140 | -.192 | -.251 | -.409 | -.257 |
| .50 | -.127 | -.250 | -.312 | -.216 | -.209 | .50 | -.096 | -.210 | -.271 | -.234 | -.198 |
| .60 | -.110 | -.191 | -.338 | -.184 | -.093 | .60 | -.086 | -.165 | -.313 | -.191 | -.085 |
| .67 | | | -.317 | | | .67 | | | -.317 | | |
| .70 | -.068 | -.055 | | .077 | .101 | .70 | -.048 | -.035 | | .085 | .115 |
| .80 | .050 | | | .236 | .245 | .80 | .068 | | | .250 | .265 |
| .84 | | | .043 | | | .84 | | | .049 | | |
| .86 | | .134 | | | | .86 | | .157 | | | |
| .90 | | | | .297 | .308 | .90 | | | | .308 | .319 |
| .91 | .132 | | | | | .91 | .144 | | | | |
| .95 | .129 | .160 | .228 | .297 | .308 | .95 | .131 | .167 | .232 | .295 | .312 |

| (E) ALPHA = 2.84 DEGREES | | | | | | (F) ALPHA = 3.34 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.054 | .113 | .429 | .712 | .742 | 0.00 | -.067 | .073 | .393 | .704 | .738 |
| .05 | -.293 | -.664 | -.933 | -.826 | -.760 | .05 | -.356 | -.745 | -1.010 | -.899 | -.806 |
| .10 | -.362 | -.585 | -.879 | -.896 | -.751 | .10 | -.410 | -.638 | -.979 | -.945 | -.852 |
| .20 | -.356 | -.510 | -.695 | -.806 | -.638 | .20 | -.383 | -.536 | -.793 | -.892 | -.803 |
| .30 | -.314 | -.531 | -.681 | -.720 | -.158 | .30 | -.337 | -.569 | -.733 | -.809 | -.701 |
| .40 | -.321 | -.516 | -.410 | -.152 | -.256 | .40 | -.337 | -.552 | -.517 | -.399 | -.165 |
| .50 | -.341 | -.397 | -.239 | -.218 | -.373 | .50 | -.358 | -.431 | -.300 | -.160 | -.265 |
| .60 | -.279 | -.243 | -.175 | -.266 | -.380 | .60 | -.322 | -.302 | -.175 | -.230 | -.308 |
| .67 | | | -.091 | | | .67 | | | -.088 | | |
| .70 | -.197 | -.200 | | -.319 | -.402 | .70 | -.224 | -.215 | | -.289 | -.383 |
| .80 | -.122 | | | -.365 | -.461 | .80 | -.140 | | | -.342 | -.479 |
| .84 | | | .039 | | | .84 | | | .033 | | |
| .86 | | -.104 | | | | .86 | | -.100 | | | |
| .90 | | | | -.244 | -.238 | .90 | | | | -.247 | -.270 |
| .91 | -.076 | | | | | .91 | -.083 | | | | |
| .95 | -.054 | -.050 | -.166 | -.101 | -.083 | .95 | -.064 | -.039 | -.156 | -.107 | -.098 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .109 | .017 | -.139 | -.142 | .05 | .056 | .129 | .085 | -.069 | -.073 |
| .10 | -.020 | .054 | -.097 | -.248 | -.299 | .10 | -.006 | .105 | -.047 | -.186 | -.218 |
| .20 | -.093 | -.001 | -.169 | -.268 | -.254 | .20 | -.073 | .057 | -.140 | -.221 | -.223 |
| .30 | -.114 | -.102 | -.199 | -.273 | -.236 | .30 | -.092 | -.071 | -.166 | -.236 | -.210 |
| .40 | -.104 | -.133 | -.194 | -.290 | -.198 | .40 | -.079 | -.113 | -.170 | -.258 | -.162 |
| .50 | -.066 | -.162 | -.220 | -.200 | -.160 | .50 | -.046 | -.131 | -.199 | -.182 | -.136 |
| .60 | -.053 | -.131 | -.266 | -.158 | -.067 | .60 | -.033 | -.109 | -.248 | -.138 | -.050 |
| .67 | | | -.312 | | | .67 | | | -.307 | | |
| .70 | -.010 | -.019 | | .099 | .117 | .70 | -.003 | -.010 | | .099 | .126 |
| .80 | .088 | | | .264 | .274 | .80 | .096 | | | .275 | .288 |
| .84 | | | .067 | | | .84 | | | .074 | | |
| .86 | | .167 | | | | .86 | | .177 | | | |
| .90 | | | | .332 | .332 | .90 | | | | .344 | .342 |
| .91 | .161 | | | | | .91 | .172 | | | | |
| .95 | .142 | .171 | .237 | .314 | .319 | .95 | .149 | .177 | .244 | .320 | .327 |

RUN = 478 POINT = 7

TABLE 79 CONTINUED

RUN = 478 POINT = 8

| (G) ALPHA = 3.83 DEGREES | | | | | | (H) ALPHA = 4.91 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.082 | .024 | .364 | .684 | .740 | 0.00 | -.128 | -.070 | .273 | .631 | .729 |
| .05 | -.388 | -.841 | -1.085 | -.946 | -.841 | .05 | -.427 | -1.088 | -1.205 | -1.052 | -.943 |
| .10 | -.441 | -.698 | -1.087 | -.988 | -.906 | .10 | -.523 | -1.000 | -1.249 | -1.084 | -.998 |
| .20 | -.397 | -.581 | -.897 | -.951 | -.869 | .20 | -.463 | -.653 | -1.161 | -1.065 | -.969 |
| .30 | -.349 | -.600 | -.755 | -.925 | -.834 | .30 | -.394 | -.662 | -.907 | -1.038 | -.954 |
| .40 | -.353 | -.598 | -.630 | -.825 | -.738 | .40 | -.402 | -.670 | -.726 | -.999 | -.943 |
| .50 | -.390 | -.511 | -.442 | -.218 | -.330 | .50 | -.413 | -.597 | -.655 | -.928 | -.901 |
| .60 | -.361 | -.365 | -.199 | -.194 | -.222 | .60 | -.410 | -.501 | -.270 | -.369 | -.822 |
| .67 | | | -.093 | | | .67 | | | -.135 | | |
| .70 | -.256 | -.235 | | -.251 | -.318 | .70 | -.342 | -.335 | | -.235 | -.281 |
| .80 | -.173 | | | -.311 | -.392 | .80 | -.250 | | | -.242 | -.226 |
| .84 | | | .038 | | | .84 | | | .027 | | |
| .86 | | -.099 | | | | .86 | | -.110 | | | |
| .90 | | | | -.236 | -.283 | .90 | | | | -.180 | -.206 |
| .91 | -.095 | | | | | .91 | -.141 | | | | |
| .95 | -.070 | -.029 | -.141 | -.103 | -.104 | .95 | -.108 | -.031 | -.130 | -.087 | -.083 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .160 | .122 | .002 | -.031 | .05 | .084 | .227 | .223 | .095 | .082 |
| .10 | .011 | .141 | -.003 | -.117 | -.171 | .10 | .043 | .200 | .084 | -.043 | -.067 |
| .20 | -.049 | .096 | -.097 | -.185 | -.177 | .20 | -.017 | .149 | -.026 | -.112 | -.099 |
| .30 | -.072 | -.039 | -.150 | -.207 | -.168 | .30 | -.038 | -.003 | -.094 | -.149 | -.112 |
| .40 | -.059 | -.095 | -.165 | -.211 | -.139 | .40 | -.032 | -.052 | -.130 | -.152 | -.103 |
| .50 | -.030 | -.110 | -.172 | -.163 | -.110 | .50 | -0.000 | -.077 | -.145 | -.132 | -.085 |
| .60 | -.021 | -.101 | -.223 | -.128 | -.034 | .60 | .005 | -.068 | -.191 | -.110 | -.013 |
| .67 | | | -.298 | | | .67 | | | -.294 | | |
| .70 | .011 | -0.000 | | .115 | .139 | .70 | .038 | .021 | | .123 | .152 |
| .80 | .108 | | | .284 | .295 | .80 | .124 | | | .296 | .305 |
| .84 | | | .080 | | | .84 | | | .084 | | |
| .86 | | .185 | | | | .86 | | .196 | | | |
| .90 | | | | .349 | .354 | .90 | | | | .354 | .363 |
| .91 | .180 | | | | | .91 | .185 | | | | |
| .95 | .158 | .181 | .249 | .340 | .334 | .95 | .162 | .168 | .252 | .338 | .349 |

(I) ALPHA = 6.02 DEGREES

(J) ALPHA = .18 DEGREES

| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
|------|--------------|--------------|--------------|--------------|--------------|
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.183 | -.171 | .193 | .581 | .703 |
| .05 | -.543 | -1.253 | -1.299 | -1.131 | -1.045 |
| .10 | -.579 | -1.161 | -1.332 | -1.179 | -1.086 |
| .20 | -.508 | -.742 | -1.282 | -1.155 | -1.063 |
| .30 | -.420 | -.711 | -1.217 | -1.133 | -1.041 |
| .40 | -.437 | -.731 | -.773 | -1.104 | -1.030 |
| .50 | -.462 | -.669 | -.738 | -1.051 | -.992 |
| .60 | -.464 | -.610 | -.430 | -.869 | -.938 |
| .67 | | | -.221 | | |
| .70 | -.416 | -.416 | | -.424 | -.527 |
| .80 | -.317 | | | -.229 | -.237 |
| .84 | | | .030 | | |
| .86 | | -.112 | | | |
| .90 | | | | -.119 | -.124 |
| .91 | -.196 | | | | |
| .95 | -.156 | -.050 | -.100 | -.068 | -.059 |

| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
|------|--------------|--------------|--------------|--------------|--------------|
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .006 | .274 | .591 | .757 | .650 |
| .05 | -.085 | -.251 | -.284 | -.309 | -.137 |
| .10 | -.224 | -.270 | -.372 | -.292 | -.149 |
| .20 | -.243 | -.280 | -.266 | -.247 | -.178 |
| .30 | -.209 | -.293 | -.270 | -.214 | -.193 |
| .40 | -.207 | -.241 | -.194 | -.197 | -.222 |
| .50 | -.201 | -.207 | -.176 | -.201 | -.245 |
| .60 | -.150 | -.148 | -.148 | -.225 | -.258 |
| .67 | | | -.063 | | |
| .70 | -.088 | -.148 | | -.265 | -.305 |
| .80 | -.056 | | | -.316 | -.410 |
| .84 | | | .038 | | |
| .86 | | -.098 | | | |
| .90 | | | | -.243 | -.289 |
| .91 | -.047 | | | | |
| .95 | -.045 | -.075 | -.167 | -.099 | -.106 |

| | CPL | CPL | CPL | CPL | CPL |
|-----|-------|-------|-------|-------|-------|
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .278 | .307 | .179 | .159 |
| .10 | .076 | .247 | .143 | .041 | .015 |
| .20 | .025 | .206 | .030 | -.044 | -.040 |
| .30 | -.001 | .046 | -.042 | -.093 | -.063 |
| .40 | -.001 | -.005 | -.075 | -.110 | -.085 |
| .50 | .028 | -.040 | -.106 | -.108 | -.076 |
| .60 | .038 | -.036 | -.170 | -.095 | -.005 |
| .67 | | | -.288 | | |
| .70 | .061 | .046 | | .118 | .143 |
| .80 | .145 | | | .294 | .291 |
| .84 | | | .083 | | |
| .86 | | .206 | | | |
| .90 | | | | .355 | .352 |
| .91 | .196 | | | | |
| .95 | .160 | .170 | .258 | .339 | .327 |

| | CPL | CPL | CPL | CPL | CPL |
|-----|-------|-------|-------|-------|-------|
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.048 | -.169 | -.409 | -.619 | -.757 |
| .10 | -.109 | -.032 | -.431 | -.667 | -.884 |
| .20 | -.192 | .073 | -.411 | -.563 | -.793 |
| .30 | -.215 | -.247 | -.424 | -.528 | -.679 |
| .40 | -.209 | -.287 | -.358 | -.552 | -.231 |
| .50 | -.159 | -.316 | -.349 | -.314 | -.196 |
| .60 | -.142 | -.226 | -.362 | -.169 | -.083 |
| .67 | | | -.290 | | |
| .70 | -.100 | -.063 | | .075 | .114 |
| .80 | .027 | | | .222 | .236 |
| .84 | | | .046 | | |
| .86 | | .123 | | | |
| .90 | | | | .281 | .285 |
| .91 | .120 | | | | |
| .95 | .112 | .147 | .217 | .290 | .281 |

RUN = 477 POINT = 1

TABLE 80

WING PRESSURE COEFFICIENTS

RUN = 477 POINT = 2

| (A) ALPHA = -.85 DEGREES | | | | | | (B) ALPHA = .17 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .012 | .303 | .628 | .749 | .608 | 0.00 | .007 | .279 | .598 | .759 | .660 |
| .05 | .003 | -.139 | -.137 | -.138 | -.009 | .05 | -.144 | -.260 | -.280 | -.322 | -.129 |
| .10 | -.179 | -.160 | -.263 | -.154 | -.063 | .10 | -.220 | -.247 | -.419 | -.291 | -.161 |
| .20 | -.206 | -.207 | -.202 | -.164 | -.108 | .20 | -.239 | -.252 | -.365 | -.250 | -.184 |
| .30 | -.171 | -.230 | -.211 | -.158 | -.131 | .30 | -.209 | -.285 | -.293 | -.215 | -.200 |
| .40 | -.169 | -.190 | -.158 | -.145 | -.172 | .40 | -.203 | -.266 | -.194 | -.186 | -.220 |
| .50 | -.160 | -.160 | -.147 | -.158 | -.196 | .50 | -.201 | -.204 | -.190 | -.192 | -.250 |
| .60 | -.114 | -.118 | -.110 | -.189 | -.207 | .60 | -.150 | -.148 | -.141 | -.224 | -.263 |
| .67 | | | -.040 | | | .67 | | | -.063 | | |
| .70 | -.061 | -.126 | | -.240 | -.275 | .70 | -.087 | -.152 | | -.266 | -.295 |
| .80 | -.034 | | | -.295 | -.400 | .80 | -.057 | | | -.331 | -.438 |
| .84 | | | .038 | | | .84 | | | .038 | | |
| .86 | | -.087 | | | | .86 | | -.097 | | | |
| .90 | | | | -.218 | -.298 | .90 | | | | -.232 | -.286 |
| .91 | -.040 | | | | | .91 | -.044 | | | | |
| .95 | -.040 | -.078 | -.168 | -.067 | -.106 | .95 | -.042 | -.074 | -.173 | -.076 | -.097 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.087 | -.297 | -.599 | -.719 | -.806 | .05 | -.047 | -.181 | -.409 | -.559 | -.705 |
| .10 | -.154 | -.204 | -.559 | -.832 | -.949 | .10 | -.118 | -.190 | -.400 | -.655 | -.837 |
| .20 | -.232 | -.049 | -.513 | -.781 | -.939 | .20 | -.194 | -.129 | -.413 | -.601 | -.784 |
| .30 | -.263 | -.343 | -.524 | -.704 | -.906 | .30 | -.220 | -.247 | -.431 | -.556 | -.727 |
| .40 | -.249 | -.360 | -.497 | -.704 | -.863 | .40 | -.207 | -.291 | -.416 | -.594 | -.664 |
| .50 | -.202 | -.434 | -.539 | -.722 | -.388 | .50 | -.161 | -.348 | -.360 | -.547 | -.150 |
| .60 | -.188 | -.318 | -.397 | -.140 | -.056 | .60 | -.146 | -.244 | -.364 | -.138 | -.056 |
| .67 | | | -.276 | | | .67 | | | -.282 | | |
| .70 | -.145 | -.095 | | .048 | .089 | .70 | -.101 | -.076 | | .085 | .119 |
| .80 | -.011 | | | .127 | .223 | .80 | .020 | | | .195 | .254 |
| .84 | | | .012 | | | .84 | | | .028 | | |
| .86 | | .088 | | | | .86 | | .109 | | | |
| .90 | | | | .221 | .289 | .90 | | | | .257 | .326 |
| .91 | .094 | | | | | .91 | .116 | | | | |
| .95 | .100 | .129 | .180 | .280 | .289 | .95 | .114 | .142 | .206 | .277 | .319 |

| (C) ALPHA = 1.06 DEGREES | | | | | | (D) ALPHA = 1.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.009 | .242 | .555 | .762 | .708 | 0.00 | -.024 | .195 | .507 | .751 | .737 |
| .05 | -.189 | -.353 | -.445 | -.561 | -.268 | .05 | -.249 | -.449 | -.654 | -.672 | -.543 |
| .10 | -.267 | -.337 | -.525 | -.518 | -.288 | .10 | -.322 | -.443 | -.685 | -.714 | -.449 |
| .20 | -.279 | -.353 | -.468 | -.332 | -.265 | .20 | -.320 | -.430 | -.559 | -.596 | -.295 |
| .30 | -.242 | -.384 | -.447 | -.267 | -.254 | .30 | -.268 | -.457 | -.593 | -.179 | -.270 |
| .40 | -.244 | -.334 | -.207 | -.243 | -.284 | .40 | -.278 | -.405 | -.352 | -.171 | -.306 |
| .50 | -.246 | -.260 | -.220 | -.239 | -.292 | .50 | -.295 | -.348 | -.221 | -.224 | -.367 |
| .60 | -.197 | -.180 | -.165 | -.267 | -.302 | .60 | -.244 | -.215 | -.160 | -.277 | -.367 |
| .67 | | | -.072 | | | .67 | | | -.073 | | |
| .70 | -.121 | -.169 | | -.309 | -.336 | .70 | -.158 | -.181 | | -.329 | -.396 |
| .80 | -.073 | | | -.363 | -.449 | .80 | -.099 | | | -.416 | -.460 |
| .84 | | | .039 | | | .84 | | | .039 | | |
| .86 | | -.102 | | | | .86 | | -.099 | | | |
| .90 | | | | -.228 | -.290 | .90 | | | | -.238 | -.241 |
| .91 | -.054 | | | | | .91 | -.065 | | | | |
| .95 | -.045 | -.068 | -.184 | -.076 | -.093 | .95 | -.050 | -.054 | -.183 | -.086 | -.080 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.018 | -.093 | -.256 | -.418 | -.572 | .05 | .006 | -.004 | -.120 | -.282 | -.329 |
| .10 | -.083 | -.123 | -.301 | -.516 | -.676 | .10 | -.056 | -.048 | -.215 | -.378 | -.510 |
| .20 | -.157 | -.125 | -.327 | -.470 | -.599 | .20 | -.130 | -.082 | -.255 | -.369 | -.440 |
| .30 | -.191 | -.197 | -.347 | -.450 | -.530 | .30 | -.154 | -.147 | -.273 | -.367 | -.335 |
| .40 | -.172 | -.234 | -.325 | -.516 | -.322 | .40 | -.141 | -.189 | -.266 | -.443 | -.245 |
| .50 | -.130 | -.266 | -.321 | -.530 | -.181 | .50 | -.098 | -.219 | -.286 | -.251 | -.186 |
| .60 | -.115 | -.201 | -.349 | -.148 | -.077 | .60 | -.084 | -.172 | -.324 | -.161 | -.082 |
| .67 | | | -.292 | | | .67 | | | -.291 | | |
| .70 | -.075 | -.056 | | .093 | .120 | .70 | -.044 | -.044 | | .094 | .110 |
| .80 | .045 | | | .228 | .255 | .80 | .066 | | | .243 | .256 |
| .84 | | | .038 | | | .84 | | | .050 | | |
| .86 | | .137 | | | | .86 | | .150 | | | |
| .90 | | | | .289 | .317 | .90 | | | | .307 | .323 |
| .91 | .134 | | | | | .91 | .146 | | | | |
| .95 | .126 | .160 | .222 | .290 | .312 | .95 | .131 | .162 | .229 | .307 | .311 |

RUN = 477 POINT = 5

TABLE 80 CONTINUED

RUN = 477 POINT = 6

| (E) ALPHA = 2.88 DEGREES | | | | | | (F) ALPHA = 3.38 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.049 | .120 | .446 | .726 | .746 | 0.00 | -.061 | .081 | .414 | .717 | .740 |
| .05 | -.332 | -.618 | -.892 | -.776 | -.706 | .05 | -.354 | -.722 | -.952 | -.822 | -.734 |
| .10 | -.387 | -.575 | -.841 | -.841 | -.734 | .10 | -.411 | -.629 | -.935 | -.893 | -.779 |
| .20 | -.354 | -.491 | -.719 | -.810 | -.715 | .20 | -.382 | -.536 | -.812 | -.855 | -.765 |
| .30 | -.318 | -.523 | -.679 | -.754 | -.632 | .30 | -.333 | -.564 | -.707 | -.837 | -.745 |
| .40 | -.318 | -.532 | -.534 | -.681 | -.316 | .40 | -.342 | -.566 | -.608 | -.766 | -.686 |
| .50 | -.349 | -.433 | -.395 | -.114 | -.232 | .50 | -.356 | -.503 | -.526 | -.355 | -.563 |
| .60 | -.311 | -.319 | -.182 | -.192 | -.305 | .60 | -.338 | -.370 | -.265 | -.193 | -.146 |
| .67 | | | -.080 | | | .67 | | | -.096 | | |
| .70 | -.224 | -.226 | | -.263 | -.356 | .70 | -.249 | -.263 | | -.247 | -.276 |
| .80 | -.142 | | | -.349 | -.519 | .80 | -.173 | | | -.308 | -.440 |
| .84 | | | .033 | | | .84 | | | .043 | | |
| .86 | | -.097 | | | | .86 | | -.101 | | | |
| .90 | | | | -.256 | -.277 | .90 | | | | -.232 | -.287 |
| .91 | -.081 | | | | | .91 | -.096 | | | | |
| .95 | -.064 | -.041 | -.161 | -.105 | -.088 | .95 | -.069 | -.031 | -.141 | -.100 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .031 | .084 | -0.000 | -.136 | -.165 | .05 | .051 | .118 | .063 | -.077 | -.092 |
| .10 | -.023 | .040 | -.100 | -.267 | -.336 | .10 | -.003 | .091 | -.051 | -.187 | -.267 |
| .20 | -.093 | -.013 | -.179 | -.280 | -.284 | .20 | -.071 | .045 | -.120 | -.234 | -.240 |
| .30 | -.119 | -.099 | -.207 | -.294 | -.257 | .30 | -.096 | -.073 | -.182 | -.258 | -.203 |
| .40 | -.104 | -.140 | -.194 | -.354 | -.203 | .40 | -.084 | -.115 | -.174 | -.310 | -.178 |
| .50 | -.064 | -.167 | -.234 | -.198 | -.162 | .50 | -.046 | -.145 | -.203 | -.184 | -.133 |
| .60 | -.047 | -.139 | -.294 | -.160 | -.068 | .60 | -.035 | -.117 | -.263 | -.142 | -.042 |
| .67 | | | -.294 | | | .67 | | | -.287 | | |
| .70 | -.015 | -.022 | | .098 | .129 | .70 | -.003 | -.014 | | .109 | .136 |
| .80 | .086 | | | .268 | .282 | .80 | .104 | | | .274 | .290 |
| .84 | | | .062 | | | .84 | | | .070 | | |
| .86 | | .167 | | | | .86 | | .176 | | | |
| .90 | | | | .327 | .336 | .90 | | | | .339 | .350 |
| .91 | .160 | | | | | .91 | .168 | | | | |
| .95 | .141 | .169 | .238 | .328 | .321 | .95 | .151 | .172 | .247 | .336 | .339 |

RUN = 477 POINT = 7

TABLE 80 CONTINUED

RUN = 477 POINT = 8

| (G) ALPHA = 3.87 DEGREES | | | | | | (H) ALPHA = 4.92 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.086 | .044 | .377 | .697 | .742 | 0.00 | -.127 | -.034 | .299 | .654 | .739 |
| .05 | -.389 | -.821 | -1.025 | -.892 | -.783 | .05 | -.460 | -1.019 | -1.140 | -.969 | -.855 |
| .10 | -.442 | -.741 | -1.059 | -.939 | -.828 | .10 | -.492 | -.937 | -1.187 | -1.008 | -.925 |
| .20 | -.417 | -.571 | -.917 | -.917 | -.812 | .20 | -.464 | -.644 | -1.113 | -.992 | -.909 |
| .30 | -.347 | -.586 | -.734 | -.903 | -.799 | .30 | -.367 | -.632 | -.929 | -.979 | -.880 |
| .40 | -.361 | -.590 | -.664 | -.865 | -.789 | .40 | -.394 | -.653 | -.716 | -.952 | -.882 |
| .50 | -.370 | -.521 | -.586 | -.808 | -.796 | .50 | -.405 | -.583 | -.689 | -.965 | -.889 |
| .60 | -.361 | -.436 | -.350 | -.226 | -.709 | .60 | -.407 | -.547 | -.619 | -.898 | -.886 |
| .67 | | | -.126 | | | .67 | | | -.230 | | |
| .70 | -.292 | -.337 | | -.231 | -.274 | .70 | -.367 | -.437 | | -.455 | -.814 |
| .80 | -.205 | | | -.278 | -.302 | .80 | -.278 | | | -.254 | -.572 |
| .84 | | | .037 | | | .84 | | | .034 | | |
| .86 | | -.111 | | | | .86 | | -.120 | | | |
| .90 | | | | -.217 | -.269 | .90 | | | | -.145 | -.154 |
| .91 | -.116 | | | | | .91 | -.174 | | | | |
| .95 | -.092 | -.029 | -.137 | -.097 | -.099 | .95 | -.133 | -.042 | -.140 | -.060 | -.042 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .057 | .155 | .115 | -.041 | -.050 | .05 | .078 | .218 | .218 | .078 | .056 |
| .10 | .006 | .139 | -.012 | -.148 | -.199 | .10 | .040 | .193 | .067 | -.056 | -.097 |
| .20 | -.052 | .095 | -.111 | -.200 | -.190 | .20 | -.019 | .153 | -.035 | -.134 | -.124 |
| .30 | -.078 | -.050 | -.162 | -.228 | -.178 | .30 | -.036 | -.003 | -.100 | -.165 | -.119 |
| .40 | -.067 | -.101 | -.175 | -.249 | -.160 | .40 | -.032 | -.047 | -.131 | -.185 | -.113 |
| .50 | -.033 | -.120 | -.193 | -.173 | -.124 | .50 | .003 | -.080 | -.147 | -.147 | -.094 |
| .60 | -.022 | -.107 | -.248 | -.132 | -.030 | .60 | .008 | -.076 | -.218 | -.117 | -.016 |
| .67 | | | -.287 | | | .67 | | | -.283 | | |
| .70 | .010 | -.008 | | .116 | .144 | .70 | .035 | .009 | | .125 | .157 |
| .80 | .110 | | | .277 | .302 | .80 | .129 | | | .295 | .310 |
| .84 | | | .070 | | | .84 | | | .076 | | |
| .86 | | .176 | | | | .86 | | .188 | | | |
| .90 | | | | .342 | .355 | .90 | | | | .356 | .368 |
| .91 | .168 | | | | | .91 | .186 | | | | |
| .95 | .151 | .174 | .246 | .337 | .348 | .95 | .153 | .168 | .252 | .349 | .350 |

RUN = 477 POINT = 9

TABLE 80 CONTINUED

RUN = 477 POINT = 10

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.178 | -.138 | .220 | .605 | .715 | 0.00 | -.283 | -.314 | .058 | .494 | .662 |
| .05 | -.527 | -1.188 | -1.226 | -1.057 | -.973 | .05 | -.692 | -1.281 | -1.364 | -1.211 | -1.109 |
| .10 | -.586 | -1.135 | -1.277 | -1.095 | -1.011 | .10 | -.709 | -1.264 | -1.338 | -1.229 | -1.154 |
| .20 | -.510 | -.744 | -1.214 | -1.078 | -1.005 | .20 | -.559 | -1.117 | -1.317 | -1.202 | -1.125 |
| .30 | -.408 | -.682 | -1.156 | -1.064 | -.978 | .30 | -.468 | -1.010 | -1.247 | -1.158 | -1.059 |
| .40 | -.418 | -.693 | -.849 | -1.044 | -.973 | .40 | -.472 | -.878 | -1.055 | -1.113 | -.988 |
| .50 | -.444 | -.652 | -.726 | -1.040 | -.970 | .50 | -.502 | -.740 | -.914 | -.898 | -.718 |
| .60 | -.444 | -.633 | -.703 | -.983 | -.911 | .60 | -.515 | -.691 | -.719 | -.636 | -.510 |
| .67 | | | -.396 | | | .67 | | | -.551 | | |
| .70 | -.427 | -.555 | | -.730 | -.848 | .70 | -.510 | -.634 | | -.515 | -.401 |
| .80 | -.367 | | | -.432 | -.499 | .80 | -.461 | | | -.441 | -.344 |
| .84 | | | .028 | | | .84 | | | .026 | | |
| .86 | | -.153 | | | | .86 | | -.185 | | | |
| .90 | | | | -.179 | -.251 | .90 | | | | -.394 | -.303 |
| .91 | -.251 | | | | | .91 | -.353 | | | | |
| .95 | -.193 | -.064 | -.121 | -.093 | -.151 | .95 | -.283 | -.114 | -.168 | -.333 | -.294 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .095 | .283 | .298 | .176 | .145 | .05 | .120 | .359 | .424 | .314 | .272 |
| .10 | .072 | .248 | .142 | .031 | -.019 | .10 | .120 | .321 | .258 | .156 | .104 |
| .20 | .021 | .206 | .034 | -.064 | -.071 | .20 | .092 | .268 | .122 | .043 | .011 |
| .30 | .004 | .049 | -.046 | -.111 | -.080 | .30 | .077 | .123 | .046 | -.032 | -.035 |
| .40 | .012 | -.007 | -.080 | -.129 | -.094 | .40 | .075 | .066 | .003 | -.068 | -.078 |
| .50 | .034 | -.045 | -.112 | -.120 | -.087 | .50 | .092 | .022 | -.057 | -.104 | -.101 |
| .60 | .036 | -.049 | -.179 | -.106 | -.028 | .60 | .088 | .003 | -.140 | -.124 | -.071 |
| .67 | | | -.275 | | | .67 | | | -.264 | | |
| .70 | .057 | .028 | | .116 | .116 | .70 | .100 | .060 | | .079 | .075 |
| .80 | .144 | | | .288 | .279 | .80 | .175 | | | .253 | .242 |
| .84 | | | .072 | | | .84 | | | .034 | | |
| .86 | | .197 | | | | .86 | | .210 | | | |
| .90 | | | | .349 | .327 | .90 | | | | .302 | .293 |
| .91 | .196 | | | | | .91 | .210 | | | | |
| .95 | .162 | .164 | .255 | .333 | .304 | .95 | .175 | .165 | .239 | .263 | .258 |

RUN = 477 POINT = 11

TABLE 80 CONTINUED

RUN = 477 POINT = 12

| (K) ALPHA = 9.84 DEGREES | | | | | | (L) ALPHA = 11.75 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.417 | -.485 | -.078 | .385 | .606 | 0.00 | -.535 | -.660 | -.272 | .270 | .545 |
| .05 | -.890 | -1.300 | -1.066 | -.782 | -1.150 | .05 | -1.097 | -1.316 | -1.103 | -.683 | -.638 |
| .10 | -.892 | -1.304 | -1.093 | -.744 | -1.140 | .10 | -1.048 | -1.322 | -1.089 | -.676 | -.592 |
| .20 | -.600 | -1.264 | -.991 | -.708 | -1.124 | .20 | -.645 | -1.318 | -.980 | -.667 | -.576 |
| .30 | -.519 | -1.257 | -.945 | -.681 | -.896 | .30 | -.520 | -1.373 | -.913 | -.656 | -.553 |
| .40 | -.523 | -1.159 | -.845 | -.649 | -.727 | .40 | -.533 | -1.377 | -.849 | -.647 | -.549 |
| .50 | -.553 | -1.000 | -.782 | -.611 | -.642 | .50 | -.569 | -1.034 | -.805 | -.642 | -.528 |
| .60 | -.566 | -.830 | -.746 | -.570 | -.559 | .60 | -.594 | -.862 | -.773 | -.631 | -.513 |
| .67 | | | -.712 | | | .67 | | | -.756 | | |
| .70 | -.491 | -.724 | | -.533 | -.525 | .70 | -.486 | -.798 | | -.626 | -.496 |
| .80 | -.302 | | | -.483 | -.487 | .80 | -.201 | | | -.595 | -.489 |
| .84 | | | .020 | | | .84 | | | .012 | | |
| .86 | | -.478 | | | | .86 | | -.675 | | | |
| .90 | | | | -.465 | -.438 | .90 | | | | -.580 | -.471 |
| .91 | -.383 | | | | | .91 | -.316 | | | | |
| .95 | -.324 | -.421 | -.603 | -.431 | -.407 | .95 | -.348 | -.629 | -.737 | -.561 | -.462 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .122 | .402 | .505 | .403 | .352 | .05 | .121 | .440 | .573 | .489 | .425 |
| .10 | .149 | .373 | .340 | .234 | .168 | .10 | .176 | .419 | .422 | .322 | .244 |
| .20 | .135 | .324 | .200 | .094 | .060 | .20 | .195 | .375 | .270 | .166 | .129 |
| .30 | .126 | .175 | .107 | .004 | -.004 | .30 | .187 | .245 | .169 | .065 | .051 |
| .40 | .122 | .117 | .044 | -.043 | -.059 | .40 | .185 | .166 | .101 | .010 | -.022 |
| .50 | .134 | .069 | -.036 | -.115 | -.098 | .50 | .187 | .113 | .013 | -.072 | -.079 |
| .60 | .122 | .027 | -.129 | -.146 | -.079 | .60 | .167 | .069 | -.090 | -.129 | -.074 |
| .67 | | | -.254 | | | .67 | | | -.240 | | |
| .70 | .124 | .069 | | .039 | .062 | .70 | .159 | .096 | | .044 | .049 |
| .80 | .188 | | | .228 | .231 | .80 | .214 | | | .228 | .214 |
| .84 | | | -.025 | | | .84 | | | -.047 | | |
| .86 | | .196 | | | | .86 | | .203 | | | |
| .90 | | | | .281 | .283 | .90 | | | | .280 | .262 |
| .91 | .218 | | | | | .91 | .229 | | | | |
| .95 | .168 | .108 | .173 | .240 | .237 | .95 | .170 | .101 | .167 | .235 | .228 |

RUN = 477 POINT = 13

TABLE 80 CONCLUDED

| | | (M) ALPHA = .19 DEGREES | | | |
|------|-------|-------------------------|-------|-------|-------|
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | ETA | ETA | ETA | ETA |
| | | .7111 | | | |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .276 | .602 | .764 | .661 |
| .05 | -.166 | -.253 | -.282 | -.326 | -.133 |
| .10 | -.227 | -.259 | -.414 | -.315 | -.165 |
| .20 | -.242 | -.266 | -.361 | -.263 | -.181 |
| .30 | -.210 | -.291 | -.297 | -.220 | -.199 |
| .40 | -.210 | -.259 | -.191 | -.185 | -.222 |
| .50 | -.200 | -.205 | -.197 | -.200 | -.241 |
| .60 | -.151 | -.150 | -.148 | -.221 | -.264 |
| .67 | | | -.061 | | |
| .70 | -.087 | -.152 | | -.263 | -.298 |
| .80 | -.055 | | | -.340 | -.432 |
| .84 | | | .037 | | |
| .86 | | -.101 | | | |
| .90 | | | | -.230 | -.282 |
| .91 | -.046 | | | | |
| .95 | -.042 | -.072 | -.176 | -.077 | -.094 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.044 | -.180 | -.393 | -.571 | -.707 |
| .10 | -.110 | .022 | -.407 | -.645 | -.830 |
| .20 | -.193 | .173 | -.423 | -.607 | -.786 |
| .30 | -.225 | -.261 | -.431 | -.566 | -.744 |
| .40 | -.210 | -.290 | -.423 | -.589 | -.620 |
| .50 | -.161 | -.342 | -.369 | -.553 | -.142 |
| .60 | -.142 | -.231 | -.364 | -.144 | -.059 |
| .67 | | | -.254 | | |
| .70 | -.104 | -.070 | | .084 | .121 |
| .80 | .017 | | | .199 | .255 |
| .84 | | | .023 | | |
| .86 | | .117 | | | |
| .90 | | | | .257 | .323 |
| .91 | .120 | | | | |
| .95 | .116 | .146 | .213 | .280 | .316 |

RUN = 476 POINT = 4

TABLE 81

WING PRESSURE COEFFICIENTS

RUN = 476 POINT = 5

| (A) ALPHA = -.84 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .018 | .304 | .634 | .758 | .633 | 0.00 | .002 | .268 | .592 | .760 | .683 |
| .05 | -.095 | -.149 | -.137 | -.162 | -.025 | .05 | -.154 | -.272 | -.271 | -.381 | -.159 |
| .10 | -.179 | -.151 | -.255 | -.178 | -.076 | .10 | -.225 | -.250 | -.411 | -.310 | -.195 |
| .20 | -.202 | -.194 | -.197 | -.175 | -.108 | .20 | -.252 | -.285 | -.392 | -.274 | -.198 |
| .30 | -.172 | -.206 | -.216 | -.173 | -.140 | .30 | -.216 | -.318 | -.367 | -.256 | -.214 |
| .40 | -.166 | -.199 | -.148 | -.148 | -.171 | .40 | -.216 | -.286 | -.189 | -.177 | -.244 |
| .50 | -.164 | -.167 | -.159 | -.155 | -.203 | .50 | -.216 | -.205 | -.219 | -.204 | -.269 |
| .60 | -.116 | -.116 | -.125 | -.191 | -.224 | .60 | -.165 | -.149 | -.183 | -.234 | -.283 |
| .67 | | | -.041 | | | .67 | | | -.070 | | |
| .70 | -.056 | -.123 | | -.246 | -.272 | .70 | -.094 | -.157 | | -.281 | -.326 |
| .80 | -.029 | | | -.322 | -.408 | .80 | -.058 | | | -.360 | -.466 |
| .84 | | | .043 | | | .84 | | | .031 | | |
| .86 | | -.088 | | | | .86 | | -.100 | | | |
| .90 | | | | -.205 | -.307 | .90 | | | | -.227 | -.289 |
| .91 | -.041 | | | | | .91 | -.053 | | | | |
| .95 | -.039 | -.080 | -.171 | -.035 | -.092 | .95 | -.051 | -.079 | -.200 | -.059 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.084 | -.285 | -.604 | -.669 | -.745 | .05 | -.051 | -.175 | -.367 | -.532 | -.656 |
| .10 | -.149 | -.011 | -.536 | -.775 | -.881 | .10 | -.117 | -.121 | -.399 | -.620 | -.798 |
| .20 | -.222 | .165 | -.519 | -.726 | -.878 | .20 | -.195 | .010 | -.408 | -.591 | -.770 |
| .30 | -.294 | -.313 | -.502 | -.683 | -.859 | .30 | -.250 | -.254 | -.421 | -.561 | -.724 |
| .40 | -.241 | -.332 | -.511 | -.694 | -.860 | .40 | -.214 | -.296 | -.424 | -.616 | -.685 |
| .50 | -.191 | -.434 | -.618 | -.726 | -.745 | .50 | -.162 | -.358 | -.482 | -.661 | -.500 |
| .60 | -.177 | -.377 | -.457 | -.166 | -.136 | .60 | -.156 | -.301 | -.387 | -.159 | -.067 |
| .67 | | | -.180 | | | .67 | | | -.193 | | |
| .70 | -.157 | -.112 | | -.071 | .052 | .70 | -.122 | -.089 | | .035 | .088 |
| .80 | -.024 | | | -.039 | .183 | .80 | .002 | | | .108 | .229 |
| .84 | | | .008 | | | .84 | | | .023 | | |
| .86 | | .077 | | | | .86 | | .099 | | | |
| .90 | | | | .099 | .296 | .90 | | | | .219 | .316 |
| .91 | .088 | | | | | .91 | .104 | | | | |
| .95 | .095 | .131 | .158 | .192 | .285 | .95 | .102 | .134 | .196 | .275 | .310 |

RUN = 476 POINT = 6

TABLE 81 CONTINUED

RUN = 476 POINT = 7

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.006 | .239 | .563 | .766 | .716 | 0.00 | -.019 | .199 | .520 | .757 | .737 |
| .05 | -.198 | -.347 | -.468 | -.549 | -.318 | .05 | -.251 | -.458 | -.652 | -.632 | -.537 |
| .10 | -.277 | -.352 | -.554 | -.583 | -.302 | .10 | -.324 | -.443 | -.659 | -.695 | -.567 |
| .20 | -.281 | -.354 | -.463 | -.450 | -.258 | .20 | -.326 | -.407 | -.559 | -.643 | -.533 |
| .30 | -.247 | -.408 | -.518 | -.232 | -.262 | .30 | -.285 | -.455 | -.604 | -.603 | -.352 |
| .40 | -.243 | -.368 | -.303 | -.177 | -.281 | .40 | -.281 | -.449 | -.434 | -.508 | -.149 |
| .50 | -.256 | -.302 | -.212 | -.214 | -.309 | .50 | -.302 | -.370 | -.360 | -.100 | -.275 |
| .60 | -.207 | -.195 | -.161 | -.256 | -.332 | .60 | -.270 | -.267 | -.214 | -.180 | -.334 |
| .67 | | | -.057 | | | .67 | | | -.063 | | |
| .70 | -.130 | -.167 | | -.313 | -.353 | .70 | -.177 | -.205 | | -.257 | -.386 |
| .80 | -.079 | | | -.396 | -.495 | .80 | -.112 | | | -.362 | -.528 |
| .84 | | | .044 | | | .84 | | | .046 | | |
| .86 | | -.101 | | | | .86 | | -.095 | | | |
| .90 | | | | -.216 | -.270 | .90 | | | | -.270 | -.254 |
| .91 | -.055 | | | | | .91 | -.068 | | | | |
| .95 | -.045 | -.061 | -.188 | -.054 | -.083 | .95 | -.055 | -.040 | -.163 | -.086 | -.070 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.006 | -.070 | -.205 | -.385 | -.509 | .05 | .012 | .002 | -.113 | -.261 | -.327 |
| .10 | -.075 | -.078 | -.281 | -.484 | -.631 | .10 | -.051 | -.020 | -.190 | -.383 | -.505 |
| .20 | -.158 | -.029 | -.313 | -.470 | -.594 | .20 | -.123 | -.023 | -.248 | -.399 | -.473 |
| .30 | -.192 | -.184 | -.346 | -.466 | -.546 | .30 | -.153 | -.144 | -.288 | -.373 | -.435 |
| .40 | -.170 | -.237 | -.344 | -.496 | -.521 | .40 | -.136 | -.186 | -.270 | -.457 | -.254 |
| .50 | -.123 | -.294 | -.331 | -.498 | -.198 | .50 | -.093 | -.224 | -.288 | -.488 | -.179 |
| .60 | -.111 | -.214 | -.338 | -.134 | -.062 | .60 | -.081 | -.179 | -.315 | -.120 | -.077 |
| .67 | | | -.189 | | | .67 | | | -.203 | | |
| .70 | -.077 | -.059 | | .092 | .115 | .70 | -.048 | -.042 | | .108 | .108 |
| .80 | .040 | | | .189 | .259 | .80 | .066 | | | .227 | .259 |
| .84 | | | .043 | | | .84 | | | .057 | | |
| .86 | | .131 | | | | .86 | | .151 | | | |
| .90 | | | | .254 | .337 | .90 | | | | .292 | .326 |
| .91 | .132 | | | | | .91 | .151 | | | | |
| .95 | .123 | .157 | .217 | .275 | .331 | .95 | .136 | .164 | .231 | .298 | .312 |

RUN = 476 POINT = 8

TABLE 81 CONTINUED

RUN = 476 POINT = 9

| (E) ALPHA = 2.92 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.048 | .128 | .465 | .743 | .744 | 0.00 | -.067 | .086 | .430 | .727 | .742 |
| .05 | -.300 | -.636 | -.837 | -.721 | -.646 | .05 | -.318 | -.733 | -.908 | -.778 | -.678 |
| .10 | -.385 | -.565 | -.843 | -.796 | -.687 | .10 | -.420 | -.635 | -.935 | -.840 | -.716 |
| .20 | -.383 | -.483 | -.676 | -.769 | -.674 | .20 | -.405 | -.527 | -.807 | -.813 | -.723 |
| .30 | -.297 | -.508 | -.657 | -.749 | -.669 | .30 | -.308 | -.526 | -.692 | -.807 | -.710 |
| .40 | -.321 | -.521 | -.546 | -.728 | -.673 | .40 | -.344 | -.550 | -.614 | -.795 | -.716 |
| .50 | -.329 | -.462 | -.504 | -.620 | -.623 | .50 | -.359 | -.480 | -.560 | -.789 | -.726 |
| .60 | -.319 | -.379 | -.390 | -.181 | -.557 | .60 | -.354 | -.433 | -.509 | -.574 | -.735 |
| .67 | | | -.129 | | | .67 | | | -.220 | | |
| .70 | -.259 | -.317 | | -.234 | -.191 | .70 | -.301 | -.360 | | -.234 | -.609 |
| .80 | -.187 | | | -.288 | -.394 | .80 | -.227 | | | -.272 | -.363 |
| .84 | | | .042 | | | .84 | | | .041 | | |
| .86 | | -.112 | | | | .86 | | -.114 | | | |
| .90 | | | | -.210 | -.338 | .90 | | | | -.185 | -.232 |
| .91 | -.110 | | | | | .91 | -.150 | | | | |
| .95 | -.080 | -.029 | -.154 | -.068 | -.095 | .95 | -.105 | -.037 | -.145 | -.056 | -.092 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .034 | .094 | .020 | -.151 | -.175 | .05 | .050 | .119 | .065 | -.076 | -.115 |
| .10 | -.019 | .056 | -.084 | -.263 | -.399 | .10 | -.001 | .095 | -.049 | -.200 | -.324 |
| .20 | -.091 | .019 | -.165 | -.290 | -.356 | .20 | -.080 | .064 | -.137 | -.243 | -.294 |
| .30 | -.119 | -.095 | -.219 | -.308 | -.315 | .30 | -.092 | -.079 | -.187 | -.268 | -.239 |
| .40 | -.106 | -.135 | -.221 | -.382 | -.191 | .40 | -.079 | -.120 | -.187 | -.343 | -.159 |
| .50 | -.057 | -.176 | -.252 | -.347 | -.157 | .50 | -.039 | -.141 | -.225 | -.142 | -.142 |
| .60 | -.051 | -.148 | -.297 | -.123 | -.056 | .60 | -.033 | -.122 | -.299 | -.135 | -.041 |
| .67 | | | -.212 | | | .67 | | | -.218 | | |
| .70 | -.019 | -.027 | | .115 | .136 | .70 | -.005 | -.016 | | .112 | .147 |
| .80 | .080 | | | .260 | .285 | .80 | .092 | | | .272 | .295 |
| .84 | | | .064 | | | .84 | | | .061 | | |
| .86 | | .167 | | | | .86 | | .167 | | | |
| .90 | | | | .318 | .352 | .90 | | | | .332 | .360 |
| .91 | .158 | | | | | .91 | .167 | | | | |
| .95 | .142 | .163 | .238 | .316 | .334 | .95 | .144 | .159 | .233 | .330 | .350 |

RUN = 476 POINT = 10

TABLE 81 CONTINUED

RUN = 476 POINT = 11

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.89 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .050 | .407 | .708 | .741 | 0.00 | -.124 | -.014 | .342 | .682 | .743 |
| .05 | -.397 | -.806 | -.958 | -.820 | -.714 | .05 | -.447 | -1.005 | -1.054 | -.906 | -.786 |
| .10 | -.459 | -.687 | -1.002 | -.872 | -.774 | .10 | -.511 | -.913 | -1.118 | -.949 | -.850 |
| .20 | -.416 | -.563 | -.887 | -.861 | -.763 | .20 | -.453 | -.614 | -1.039 | -.933 | -.836 |
| .30 | -.318 | -.551 | -.701 | -.843 | -.749 | .30 | -.367 | -.613 | -.921 | -.928 | -.834 |
| .40 | -.348 | -.575 | -.646 | -.829 | -.747 | .40 | -.368 | -.618 | -.667 | -.906 | -.832 |
| .50 | -.361 | -.505 | -.605 | -.845 | -.761 | .50 | -.393 | -.560 | -.658 | -.920 | -.845 |
| .60 | -.359 | -.473 | -.579 | -.780 | -.774 | .60 | -.387 | -.551 | -.641 | -.928 | -.855 |
| .67 | | | -.299 | | | .67 | | | -.468 | | |
| .70 | -.320 | -.400 | | -.334 | -.784 | .70 | -.355 | -.483 | | -.847 | -.804 |
| .80 | -.241 | | | -.273 | -.625 | .80 | -.291 | | | -.494 | -.634 |
| .84 | | | .043 | | | .84 | | | .042 | | |
| .86 | | -.126 | | | | .86 | | -.177 | | | |
| .90 | | | | -.170 | -.181 | .90 | | | | -.133 | -.348 |
| .91 | -.167 | | | | | .91 | -.233 | | | | |
| .95 | -.124 | -.030 | -.145 | -.049 | -.052 | .95 | -.183 | -.051 | -.168 | -.038 | -.228 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .059 | .155 | .111 | -.030 | -.069 | .05 | .083 | .224 | .214 | .064 | .013 |
| .10 | .011 | .134 | -.012 | -.157 | -.271 | .10 | .040 | .194 | .060 | -.081 | -.141 |
| .20 | -.056 | .102 | -.112 | -.215 | -.225 | .20 | -.017 | .148 | -.047 | -.146 | -.157 |
| .30 | -.073 | -.043 | -.168 | -.244 | -.218 | .30 | -.038 | -.002 | -.104 | -.189 | -.154 |
| .40 | -.062 | -.090 | -.168 | -.316 | -.154 | .40 | -.025 | -.057 | -.153 | -.252 | -.131 |
| .50 | -.032 | -.128 | -.201 | -.139 | -.130 | .50 | 0.000 | -.087 | -.167 | -.162 | -.116 |
| .60 | -.024 | -.114 | -.276 | -.137 | -.034 | .60 | .006 | -.087 | -.246 | -.129 | -.042 |
| .67 | | | -.226 | | | .67 | | | -.230 | | |
| .70 | .005 | -.011 | | .117 | .152 | .70 | .028 | .004 | | .119 | .124 |
| .80 | .102 | | | .273 | .305 | .80 | .120 | | | .286 | .282 |
| .84 | | | .063 | | | .84 | | | .064 | | |
| .86 | | .172 | | | | .86 | | .182 | | | |
| .90 | | | | .338 | .363 | .90 | | | | .351 | .328 |
| .91 | .170 | | | | | .91 | .180 | | | | |
| .95 | .148 | .162 | .242 | .338 | .356 | .95 | .150 | .150 | .246 | .340 | .300 |

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 8.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.168 | -.101 | .259 | .639 | .726 | 0.00 | -.280 | -.267 | .101 | .536 | .688 |
| .05 | -.528 | -1.147 | -1.159 | -.984 | -.888 | .05 | -.698 | -1.243 | -1.297 | -1.130 | -1.023 |
| .10 | -.569 | -1.078 | -1.213 | -1.023 | -.943 | .10 | -.694 | -1.214 | -1.295 | -1.155 | -1.067 |
| .20 | -.477 | -.679 | -1.157 | -1.016 | -.929 | .20 | -.533 | -1.087 | -1.268 | -1.137 | -1.058 |
| .30 | -.398 | -.662 | -1.104 | -1.007 | -.916 | .30 | -.458 | -.984 | -1.206 | -1.128 | -1.035 |
| .40 | -.395 | -.653 | -.837 | -.987 | -.907 | .40 | -.450 | -.860 | -1.039 | -1.096 | -.977 |
| .50 | -.423 | -.602 | -.696 | -.989 | -.918 | .50 | -.480 | -.749 | -.927 | -1.053 | -.917 |
| .60 | -.419 | -.611 | -.681 | -.971 | -.879 | .60 | -.492 | -.671 | -.815 | -.992 | -.708 |
| .67 | | | -.657 | | | .67 | | | -.632 | | |
| .70 | -.402 | -.555 | | -.917 | -.844 | .70 | -.486 | -.628 | | -.688 | -.495 |
| .80 | -.350 | | | -.607 | -.587 | .80 | -.447 | | | -.534 | -.414 |
| .84 | | | .033 | | | .84 | | | .028 | | |
| .86 | | -.233 | | | | .86 | | -.336 | | | |
| .90 | | | | -.357 | -.352 | .90 | | | | -.457 | -.366 |
| .91 | -.305 | | | | | .91 | -.415 | | | | |
| .95 | -.258 | -.090 | -.190 | -.237 | -.274 | .95 | -.376 | -.140 | -.240 | -.394 | -.347 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .096 | .280 | .293 | .146 | .105 | .05 | .116 | .361 | .426 | .291 | .252 |
| .10 | .070 | .251 | .139 | .012 | -.040 | .10 | .121 | .321 | .259 | .138 | .079 |
| .20 | .018 | .206 | .019 | -.080 | -.100 | .20 | .088 | .266 | .122 | .020 | -.004 |
| .30 | .001 | .050 | -.046 | -.141 | -.129 | .30 | .080 | .129 | .036 | -.051 | -.053 |
| .40 | .008 | -.011 | -.098 | -.183 | -.113 | .40 | .076 | .061 | -.008 | -.092 | -.090 |
| .50 | .034 | -.055 | -.132 | -.149 | -.127 | .50 | .093 | .015 | -.067 | -.126 | -.115 |
| .60 | .040 | -.057 | -.215 | -.134 | -.067 | .60 | .088 | -.007 | -.161 | -.141 | -.086 |
| .67 | | | -.231 | | | .67 | | | -.224 | | |
| .70 | .053 | .020 | | .109 | .098 | .70 | .097 | .051 | | .071 | .069 |
| .80 | .135 | | | .279 | .250 | .80 | .168 | | | .244 | .235 |
| .84 | | | .055 | | | .84 | | | .027 | | |
| .86 | | .191 | | | | .86 | | .201 | | | |
| .90 | | | | .327 | .306 | .90 | | | | .307 | .286 |
| .91 | .193 | | | | | .91 | .213 | | | | |
| .95 | .152 | .145 | .252 | .311 | .276 | .95 | .162 | .142 | .234 | .268 | .251 |

RUN = 476 POINT = 14

TABLE 81 CONTINUED

RUN = 476 POINT = 15

| (K) ALPHA = 9.93 DEGREES | | | | | | (L) ALPHA = 11.79 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.399 | -.448 | -.048 | .414 | .616 | 0.00 | -.507 | -.621 | -.233 | .294 | .562 |
| .05 | -.865 | -1.241 | -1.152 | -.818 | -1.064 | .05 | -1.077 | -1.249 | -1.252 | -.679 | -.695 |
| .10 | -.880 | -1.243 | -1.139 | -.773 | -.871 | .10 | -1.086 | -1.252 | -1.256 | -.677 | -.646 |
| .20 | -.594 | -1.212 | -1.047 | -.725 | -.992 | .20 | -.654 | -1.247 | -1.077 | -.666 | -.609 |
| .30 | -.501 | -1.218 | -.959 | -.698 | -.758 | .30 | -.477 | -1.321 | -.978 | -.657 | -.602 |
| .40 | -.499 | -1.179 | -.880 | -.698 | -.568 | .40 | -.499 | -1.327 | -.891 | -.643 | -.558 |
| .50 | -.521 | -1.132 | -.778 | -.623 | -.542 | .50 | -.535 | -1.350 | -.816 | -.636 | -.540 |
| .60 | -.536 | -.940 | -.735 | -.587 | -.530 | .60 | -.559 | -1.182 | -.788 | -.620 | -.523 |
| .67 | | | -.720 | | | .67 | | | -.777 | | |
| .70 | -.532 | -.648 | | -.562 | -.503 | .70 | -.569 | -.829 | | -.607 | -.514 |
| .80 | -.388 | | | -.520 | -.503 | .80 | -.468 | | | -.589 | -.500 |
| .84 | | | .021 | | | .84 | | | .017 | | |
| .86 | | -.479 | | | | .86 | | -.641 | | | |
| .90 | | | | -.500 | -.449 | .90 | | | | -.568 | -.487 |
| .91 | -.295 | | | | | .91 | -.170 | | | | |
| .95 | -.302 | -.449 | -.597 | -.489 | -.440 | .95 | -.182 | -.615 | -.690 | -.555 | -.472 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .132 | .416 | .512 | .407 | .345 | .05 | .127 | .450 | .578 | .495 | .436 |
| .10 | .157 | .382 | .348 | .238 | .167 | .10 | .183 | .422 | .429 | .331 | .263 |
| .20 | .149 | .329 | .205 | .103 | .058 | .20 | .200 | .378 | .282 | .179 | .136 |
| .30 | .136 | .188 | .118 | .008 | -.004 | .30 | .200 | .251 | .179 | .077 | .057 |
| .40 | .136 | .121 | .054 | -.047 | -.069 | .40 | .190 | .186 | .116 | .013 | -.016 |
| .50 | .147 | .066 | -.024 | -.116 | -.106 | .50 | .196 | .122 | .027 | -.068 | -.069 |
| .60 | .138 | .036 | -.122 | -.152 | -.088 | .60 | .179 | .080 | -.077 | -.114 | -.065 |
| .67 | | | -.209 | | | .67 | | | -.200 | | |
| .70 | .136 | .076 | | .044 | .053 | .70 | .174 | .110 | | .066 | .057 |
| .80 | .194 | | | .222 | .219 | .80 | .222 | | | .235 | .225 |
| .84 | | | -.015 | | | .84 | | | -.030 | | |
| .86 | | .199 | | | | .86 | | .219 | | | |
| .90 | | | | .285 | .266 | .90 | | | | .295 | .277 |
| .91 | .222 | | | | | .91 | .244 | | | | |
| .95 | .175 | .123 | .182 | .242 | .233 | .95 | .189 | .124 | .180 | .249 | .232 |

RUN = 476 POINT = 16

TABLE 81 CONCLUDED

| | (M) ALPHA = .16 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .008 | .277 | .605 | .770 | .679 |
| .05 | -.149 | -.256 | -.263 | -.355 | -.150 |
| .10 | -.222 | -.252 | -.409 | -.298 | -.171 |
| .20 | -.246 | -.295 | -.370 | -.266 | -.180 |
| .30 | -.213 | -.316 | -.312 | -.237 | -.198 |
| .40 | -.213 | -.280 | -.174 | -.169 | -.233 |
| .50 | -.211 | -.204 | -.217 | -.198 | -.258 |
| .60 | -.155 | -.146 | -.159 | -.230 | -.272 |
| .67 | | | -.056 | | |
| .70 | -.086 | -.151 | | -.274 | -.318 |
| .80 | -.051 | | | -.356 | -.467 |
| .84 | | | .042 | | |
| .86 | | -.099 | | | |
| .90 | | | | -.217 | -.282 |
| .91 | -.051 | | | | |
| .95 | -.047 | -.071 | -.185 | -.055 | -.097 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.051 | -.177 | -.383 | -.545 | -.656 |
| .10 | -.116 | .012 | -.417 | -.622 | -.794 |
| .20 | -.200 | .168 | -.412 | -.584 | -.764 |
| .30 | -.250 | -.252 | -.426 | -.558 | -.736 |
| .40 | -.213 | -.295 | -.426 | -.604 | -.706 |
| .50 | -.161 | -.353 | -.501 | -.641 | -.487 |
| .60 | -.151 | -.293 | -.381 | -.161 | -.058 |
| .67 | | | -.217 | | |
| .70 | -.116 | -.082 | | .025 | .092 |
| .80 | .012 | | | .109 | .241 |
| .84 | | | .017 | | |
| .86 | | .106 | | | |
| .90 | | | | .229 | .339 |
| .91 | .110 | | | | |
| .95 | .112 | .142 | .201 | .286 | .335 |

RUN = 475 POINT = 1

TABLE 82

WING PRESSURE COEFFICIENTS

RUN = 475 POINT = 2

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .018 | .296 | .639 | .766 | .652 | 0.00 | .005 | .274 | .614 | .779 | .700 |
| .05 | -.044 | -.137 | -.110 | -.175 | -.031 | .05 | -.169 | -.236 | -.268 | -.369 | -.166 |
| .10 | -.163 | -.154 | -.260 | -.190 | -.082 | .10 | -.219 | -.240 | -.397 | -.371 | -.184 |
| .20 | -.217 | -.193 | -.243 | -.198 | -.113 | .20 | -.268 | -.294 | -.346 | -.277 | -.198 |
| .30 | -.175 | -.253 | -.228 | -.186 | -.136 | .30 | -.227 | -.324 | -.404 | -.257 | -.196 |
| .40 | -.169 | -.210 | -.144 | -.139 | -.180 | .40 | -.212 | -.286 | -.230 | -.171 | -.235 |
| .50 | -.161 | -.157 | -.170 | -.165 | -.207 | .50 | -.216 | -.238 | -.204 | -.187 | -.261 |
| .60 | -.119 | -.120 | -.178 | -.197 | -.237 | .60 | -.162 | -.156 | -.187 | -.221 | -.286 |
| .67 | | | -.037 | | | .67 | | | -.053 | | |
| .70 | -.054 | -.137 | | -.247 | -.284 | .70 | -.097 | -.157 | | -.278 | -.322 |
| .80 | -.033 | | | -.338 | -.436 | .80 | -.059 | | | -.373 | -.466 |
| .84 | | | .046 | | | .84 | | | .045 | | |
| .86 | | -.094 | | | | .86 | | -.099 | | | |
| .90 | | | | -.186 | -.283 | .90 | | | | -.225 | -.231 |
| .91 | -.048 | | | | | .91 | -.058 | | | | |
| .95 | -.054 | -.090 | -.189 | -.029 | -.059 | .95 | -.052 | -.073 | -.199 | -.031 | -.061 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.072 | -.322 | -.561 | -.624 | -.695 | .05 | -.046 | -.193 | -.355 | -.494 | -.591 |
| .10 | -.137 | -.221 | -.513 | -.726 | -.832 | .10 | -.104 | -.202 | -.387 | -.583 | -.739 |
| .20 | -.228 | -.058 | -.497 | -.706 | -.832 | .20 | -.201 | -.141 | -.396 | -.560 | -.721 |
| .30 | -.292 | -.326 | -.484 | -.665 | -.820 | .30 | -.264 | -.257 | -.419 | -.556 | -.716 |
| .40 | -.316 | -.335 | -.479 | -.668 | -.837 | .40 | -.201 | -.275 | -.419 | -.595 | -.672 |
| .50 | -.152 | -.414 | -.601 | -.715 | -.792 | .50 | -.147 | -.367 | -.521 | -.647 | -.702 |
| .60 | -.178 | -.404 | -.633 | -.223 | -.307 | .60 | -.139 | -.339 | -.458 | -.182 | -.140 |
| .67 | | | -.050 | | | .67 | | | -.088 | | |
| .70 | -.161 | -.150 | | -.143 | -.108 | .70 | -.121 | -.103 | | -.077 | .019 |
| .80 | -.044 | | | -.152 | .078 | .80 | -0.000 | | | -.068 | .168 |
| .84 | | | -.030 | | | .84 | | | .009 | | |
| .86 | | .053 | | | | .86 | | .096 | | | |
| .90 | | | | -.069 | .212 | .90 | | | | .086 | .265 |
| .91 | .074 | | | | | .91 | .109 | | | | |
| .95 | .085 | .117 | .127 | .021 | .207 | .95 | .105 | .136 | .190 | .211 | .272 |

| (C) ALPHA = 1.11 DEGREES | | | | | | (D) ALPHA = 1.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.008 | .244 | .573 | .771 | .723 | 0.00 | -.025 | .209 | .541 | .767 | .729 |
| .05 | -.220 | -.351 | -.410 | -.518 | -.382 | .05 | -.263 | -.426 | -.612 | -.593 | -.499 |
| .10 | -.284 | -.362 | -.539 | -.563 | -.394 | .10 | -.341 | -.447 | -.629 | -.652 | -.525 |
| .20 | -.319 | -.332 | -.449 | -.502 | -.350 | .20 | -.339 | -.408 | -.535 | -.615 | -.525 |
| .30 | -.235 | -.380 | -.509 | -.481 | -.128 | .30 | -.265 | -.433 | -.578 | -.601 | -.525 |
| .40 | -.263 | -.392 | -.326 | -.181 | -.185 | .40 | -.280 | -.453 | -.459 | -.542 | -.509 |
| .50 | -.252 | -.324 | -.307 | -.106 | -.295 | .50 | -.294 | -.369 | -.423 | -.483 | -.481 |
| .60 | -.224 | -.232 | -.231 | -.187 | -.327 | .60 | -.267 | -.300 | -.324 | -.173 | -.144 |
| .67 | | | -.049 | | | .67 | | | -.162 | | |
| .70 | -.144 | -.197 | | -.262 | -.367 | .70 | -.187 | -.278 | | -.235 | -.242 |
| .80 | -.096 | | | -.370 | -.506 | .80 | -.140 | | | -.321 | -.415 |
| .84 | | | .045 | | | .84 | | | .046 | | |
| .86 | | -.092 | | | | .86 | | -.117 | | | |
| .90 | | | | -.301 | -.185 | .90 | | | | -.210 | -.459 |
| .91 | -.073 | | | | | .91 | -.113 | | | | |
| .95 | -.058 | -.055 | -.188 | -.055 | -.058 | .95 | -.085 | -.045 | -.166 | -.039 | -.077 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.014 | -.085 | -.233 | -.383 | -.484 | .05 | .013 | .001 | -.107 | -.276 | -.373 |
| .10 | -.077 | -.117 | -.290 | -.497 | -.624 | .10 | -.050 | -.030 | -.193 | -.389 | -.525 |
| .20 | -.164 | -.122 | -.308 | -.484 | -.612 | .20 | -.139 | -.071 | -.262 | -.392 | -.501 |
| .30 | -.243 | -.186 | -.354 | -.479 | -.570 | .30 | -.183 | -.145 | -.294 | -.401 | -.483 |
| .40 | -.164 | -.238 | -.360 | -.542 | -.575 | .40 | -.146 | -.190 | -.294 | -.471 | -.474 |
| .50 | -.122 | -.305 | -.417 | -.600 | -.621 | .50 | -.094 | -.255 | -.330 | -.476 | -.184 |
| .60 | -.116 | -.259 | -.379 | -.164 | -.091 | .60 | -.083 | -.203 | -.339 | -.140 | -.044 |
| .67 | | | -.113 | | | .67 | | | -.128 | | |
| .70 | -.090 | -.070 | | .025 | .076 | .70 | -.055 | -.052 | | .101 | .126 |
| .80 | .032 | | | .104 | .216 | .80 | .059 | | | .176 | .268 |
| .84 | | | .037 | | | .84 | | | .049 | | |
| .86 | | .122 | | | | .86 | | .142 | | | |
| .90 | | | | .211 | .314 | .90 | | | | .244 | .345 |
| .91 | .127 | | | | | .91 | .142 | | | | |
| .95 | .119 | .147 | .210 | .279 | .314 | .95 | .131 | .155 | .228 | .282 | .338 |

RUN = 475 POINT = 5

TABLE 82 CONTINUED

RUN = 475 POINT = 6

| (E) ALPHA = 3.02 DEGREES | | | | | | (F) ALPHA = 3.36 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.055 | .150 | .491 | .752 | .743 | 0.00 | -.063 | .117 | .467 | .748 | .749 |
| .05 | -.263 | -.585 | -.782 | -.662 | -.594 | .05 | -.344 | -.673 | -.831 | -.695 | -.614 |
| .10 | -.390 | -.521 | -.775 | -.733 | -.624 | .10 | -.405 | -.569 | -.844 | -.766 | -.663 |
| .20 | -.371 | -.475 | -.674 | -.714 | -.622 | .20 | -.375 | -.501 | -.723 | -.751 | -.668 |
| .30 | -.304 | -.491 | -.631 | -.714 | -.627 | .30 | -.314 | -.500 | -.649 | -.741 | -.656 |
| .40 | -.299 | -.502 | -.534 | -.689 | -.632 | .40 | -.309 | -.523 | -.576 | -.725 | -.665 |
| .50 | -.323 | -.444 | -.502 | -.650 | -.643 | .50 | -.325 | -.452 | -.530 | -.743 | -.675 |
| .60 | -.300 | -.411 | -.461 | -.584 | -.655 | .60 | -.312 | -.432 | -.536 | -.658 | -.693 |
| .67 | | | -.291 | | | .67 | | | -.357 | | |
| .70 | -.250 | -.340 | | -.323 | -.685 | .70 | -.275 | -.359 | | -.442 | -.724 |
| .80 | -.195 | | | -.323 | -.580 | .80 | -.207 | | | -.342 | -.640 |
| .84 | | | .050 | | | .84 | | | .049 | | |
| .86 | | -.185 | | | | .86 | | -.207 | | | |
| .90 | | | | -.144 | -.191 | .90 | | | | -.133 | -.268 |
| .91 | -.169 | | | | | .91 | -.190 | | | | |
| .95 | -.124 | -.043 | -.175 | -.018 | -.064 | .95 | -.148 | -.043 | -.183 | -.017 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .039 | .093 | .028 | -.153 | -.212 | .05 | .047 | .114 | .051 | -.110 | -.163 |
| .10 | -.018 | .055 | -.094 | -.277 | -.415 | .10 | -.004 | .097 | -.059 | -.232 | -.379 |
| .20 | -.100 | .007 | -.176 | -.305 | -.398 | .20 | -.083 | .056 | -.154 | -.267 | -.355 |
| .30 | -.122 | -.088 | -.218 | -.319 | -.379 | .30 | -.111 | -.066 | -.190 | -.292 | -.357 |
| .40 | -.103 | -.138 | -.224 | -.406 | -.445 | .40 | -.085 | -.116 | -.206 | -.379 | -.390 |
| .50 | -.059 | -.187 | -.254 | -.458 | -.134 | .50 | -.048 | -.162 | -.244 | -.449 | -.122 |
| .60 | -.048 | -.166 | -.300 | -.118 | -.037 | .60 | -.039 | -.149 | -.285 | -.112 | -.052 |
| .67 | | | -.142 | | | .67 | | | -.158 | | |
| .70 | -.024 | -.033 | | .112 | .143 | .70 | -.011 | -.023 | | .116 | .130 |
| .80 | .083 | | | .229 | .288 | .80 | .089 | | | .229 | .281 |
| .84 | | | .060 | | | .84 | | | .046 | | |
| .86 | | .157 | | | | .86 | | .157 | | | |
| .90 | | | | .277 | .354 | .90 | | | | .295 | .337 |
| .91 | .159 | | | | | .91 | .163 | | | | |
| .95 | .139 | .155 | .238 | .293 | .349 | .95 | .137 | .146 | .234 | .295 | .331 |

RUN = 475 POINT = 7

TABLE 82 CONTINUED

RUN = 475 POINT = 8

| (G) ALPHA = 3.85 DEGREES | | | | | | (H) ALPHA = 4.92 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.074 | .082 | .437 | .728 | .749 | 0.00 | -.121 | .013 | .370 | .698 | .744 |
| .05 | -.376 | -.768 | -.893 | -.742 | -.655 | .05 | -.467 | -.967 | -1.002 | -.842 | -.722 |
| .10 | -.433 | -.674 | -.919 | -.802 | -.695 | .10 | -.499 | -.884 | -1.039 | -.889 | -.780 |
| .20 | -.394 | -.528 | -.825 | -.790 | -.702 | .20 | -.430 | -.562 | -.970 | -.882 | -.780 |
| .30 | -.330 | -.535 | -.672 | -.781 | -.701 | .30 | -.366 | -.588 | -.870 | -.870 | -.776 |
| .40 | -.330 | -.546 | -.613 | -.768 | -.701 | .40 | -.358 | -.590 | -.632 | -.858 | -.780 |
| .50 | -.342 | -.479 | -.555 | -.786 | -.711 | .50 | -.375 | -.538 | -.634 | -.875 | -.797 |
| .60 | -.328 | -.474 | -.554 | -.779 | -.730 | .60 | -.368 | -.528 | -.608 | -.884 | -.800 |
| .67 | | | -.440 | | | .67 | | | -.582 | | |
| .70 | -.298 | -.409 | | -.652 | -.737 | .70 | -.334 | -.475 | | -.891 | -.762 |
| .80 | -.233 | | | -.387 | -.603 | .80 | -.277 | | | -.638 | -.663 |
| .84 | | | .043 | | | .84 | | | .046 | | |
| .86 | | -.229 | | | | .86 | | -.270 | | | |
| .90 | | | | -.126 | -.308 | .90 | | | | -.235 | -.415 |
| .91 | -.217 | | | | | .91 | -.275 | | | | |
| .95 | -.178 | -.060 | -.204 | -.016 | -.191 | .95 | -.240 | -.087 | -.237 | -.097 | -.330 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .060 | .152 | .113 | -.053 | -.101 | .05 | .077 | .220 | .203 | .047 | -.011 |
| .10 | .006 | .137 | -.020 | -.177 | -.324 | .10 | .042 | .192 | .063 | -.080 | -.193 |
| .20 | -.068 | .096 | -.115 | -.232 | -.324 | .20 | -.025 | .147 | -.043 | -.150 | -.235 |
| .30 | -.083 | -.043 | -.172 | -.255 | -.322 | .30 | -.040 | -.001 | -.110 | -.202 | -.224 |
| .40 | -.072 | -.093 | -.175 | -.341 | -.141 | .40 | -.033 | -.053 | -.159 | -.281 | -.162 |
| .50 | -.031 | -.139 | -.219 | -.435 | -.162 | .50 | .005 | -.094 | -.191 | -.391 | -.212 |
| .60 | -.024 | -.132 | -.286 | -.099 | -.064 | .60 | .007 | -.094 | -.271 | -.112 | -.089 |
| .67 | | | -.165 | | | .67 | | | -.175 | | |
| .70 | -.002 | -.019 | | .118 | .119 | .70 | .026 | -.001 | | .104 | .097 |
| .80 | .097 | | | .239 | .267 | .80 | .116 | | | .256 | .242 |
| .84 | | | .045 | | | .84 | | | .040 | | |
| .86 | | .165 | | | | .86 | | .166 | | | |
| .90 | | | | .298 | .319 | .90 | | | | .319 | .300 |
| .91 | .169 | | | | | .91 | .179 | | | | |
| .95 | .141 | .150 | .238 | .307 | .298 | .95 | .142 | .134 | .231 | .307 | .269 |

RUN = 475 POINT = 9

TABLE 82 CONTINUED

RUN = 475 POINT = 10

| (I) ALPHA = 5.99 DEGREES | | | | | | (J) ALPHA = 8.08 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.163 | -.065 | .292 | .660 | .742 | 0.00 | -.280 | -.239 | .141 | .560 | .703 |
| .05 | -.548 | -1.077 | -1.088 | -.912 | -.813 | .05 | -.663 | -1.176 | -1.218 | -1.059 | -.960 |
| .10 | -.565 | -1.022 | -1.144 | -.961 | -.867 | .10 | -.721 | -1.156 | -1.229 | -1.092 | -.991 |
| .20 | -.459 | -.664 | -1.095 | -.954 | -.864 | .20 | -.532 | -1.038 | -1.197 | -1.077 | -.989 |
| .30 | -.394 | -.615 | -1.042 | -.945 | -.857 | .30 | -.422 | -.943 | -1.149 | -1.071 | -.982 |
| .40 | -.381 | -.624 | -.869 | -.933 | -.853 | .40 | -.429 | -.852 | -1.009 | -1.055 | -.963 |
| .50 | -.409 | -.585 | -.674 | -.945 | -.860 | .50 | -.451 | -.738 | -.891 | -1.041 | -.915 |
| .60 | -.404 | -.578 | -.663 | -.956 | -.867 | .60 | -.460 | -.656 | -.815 | -1.002 | -.887 |
| .67 | | | -.652 | | | .67 | | | -.658 | | |
| .70 | -.376 | -.520 | | -.921 | -.816 | .70 | -.462 | -.607 | | -.905 | -.705 |
| .80 | -.324 | | | -.726 | -.745 | .80 | -.418 | | | -.628 | -.530 |
| .84 | | | .039 | | | .84 | | | .037 | | |
| .86 | | -.303 | | | | .86 | | -.446 | | | |
| .90 | | | | -.479 | -.480 | .90 | | | | -.525 | -.464 |
| .91 | -.322 | | | | | .91 | -.411 | | | | |
| .95 | -.298 | -.106 | -.271 | -.362 | -.380 | .95 | -.400 | -.169 | -.272 | -.469 | -.445 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .275 | .280 | .134 | .077 | .05 | .123 | .370 | .421 | .296 | .231 |
| .10 | .064 | .244 | .128 | -.005 | -.095 | .10 | .121 | .326 | .257 | .133 | .064 |
| .20 | .015 | .202 | .023 | -.095 | -.148 | .20 | .088 | .270 | .122 | .018 | -.022 |
| .30 | -0.000 | .051 | -.058 | -.157 | -.155 | .30 | .081 | .130 | .034 | -.062 | -.072 |
| .40 | .010 | -.010 | -.109 | -.234 | -.156 | .40 | .075 | .066 | -.002 | -.135 | -.098 |
| .50 | .038 | -.060 | -.141 | -.277 | -.204 | .50 | .099 | .018 | -.076 | -.143 | -.154 |
| .60 | .036 | -.062 | -.247 | -.146 | -.100 | .60 | .096 | -.001 | -.177 | -.159 | -.103 |
| .67 | | | -.183 | | | .67 | | | -.182 | | |
| .70 | .054 | .012 | | .089 | .072 | .70 | .099 | .051 | | .064 | .057 |
| .80 | .134 | | | .262 | .230 | .80 | .171 | | | .238 | .222 |
| .84 | | | .035 | | | .84 | | | .016 | | |
| .86 | | .174 | | | | .86 | | .197 | | | |
| .90 | | | | .312 | .290 | .90 | | | | .298 | .281 |
| .91 | .187 | | | | | .91 | .210 | | | | |
| .95 | .146 | .137 | .234 | .298 | .251 | .95 | .162 | .137 | .226 | .262 | .240 |

RUN = 475 POINT = 11

TABLE 82

CONTINUED

RUN = 475 POINT = 12

| (K) ALPHA = 10.09 DEGREES | | | | | | (L) ALPHA = 11.99 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.383 | -.427 | -.018 | .438 | .644 | 0.00 | -.499 | -.582 | -.191 | .310 | .564 |
| .05 | -.970 | -1.172 | -1.247 | -1.176 | -1.084 | .05 | -1.060 | -1.183 | -1.251 | -.975 | -.692 |
| .10 | -.903 | -1.170 | -1.261 | -1.196 | -1.112 | .10 | -1.087 | -1.190 | -1.245 | -.940 | -.649 |
| .20 | -.562 | -1.150 | -1.167 | -1.157 | -1.100 | .20 | -.775 | -1.190 | -1.216 | -.866 | -.627 |
| .30 | -.459 | -1.147 | -1.127 | -1.108 | -1.058 | .30 | -.439 | -1.260 | -1.172 | -.808 | -.597 |
| .40 | -.464 | -1.134 | -1.036 | -1.073 | -1.008 | .40 | -.468 | -1.286 | -1.122 | -.722 | -.582 |
| .50 | -.484 | -1.127 | -.903 | -.918 | -.857 | .50 | -.501 | -1.301 | -1.052 | -.682 | -.564 |
| .60 | -.499 | -1.088 | -.719 | -.728 | -.729 | .60 | -.530 | -1.258 | -.927 | -.647 | -.552 |
| .67 | | | -.610 | | | .67 | | | -.923 | | |
| .70 | -.503 | -.915 | | -.653 | -.566 | .70 | -.538 | -1.277 | | -.622 | -.545 |
| .80 | -.459 | | | -.589 | -.509 | .80 | -.497 | | | -.601 | -.525 |
| .84 | | | .029 | | | .84 | | | .029 | | |
| .86 | | -.267 | | | | .86 | | -.490 | | | |
| .90 | | | | -.514 | -.473 | .90 | | | | -.591 | -.506 |
| .91 | -.438 | | | | | .91 | -.448 | | | | |
| .95 | -.436 | -.243 | -.546 | -.502 | -.471 | .95 | -.402 | -.311 | -.693 | -.580 | -.499 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .134 | .426 | .522 | .412 | .346 | .05 | .137 | .455 | .596 | .507 | .446 |
| .10 | .158 | .392 | .364 | .244 | .175 | .10 | .192 | .436 | .448 | .346 | .274 |
| .20 | .154 | .332 | .217 | .112 | .062 | .20 | .208 | .392 | .299 | .191 | .149 |
| .30 | .145 | .206 | .125 | .018 | .001 | .30 | .207 | .271 | .201 | .097 | .070 |
| .40 | .143 | .129 | .069 | -.043 | -.053 | .40 | .201 | .194 | .138 | .037 | .003 |
| .50 | .154 | .079 | -.006 | -.104 | -.097 | .50 | .208 | .142 | .051 | -.041 | -.045 |
| .60 | .145 | .047 | -.111 | -.142 | -.085 | .60 | .194 | .099 | -.053 | -.090 | -.050 |
| .67 | | | -.175 | | | .67 | | | -.166 | | |
| .70 | .143 | .085 | | .063 | .058 | .70 | .190 | .125 | | .082 | .070 |
| .80 | .203 | | | .239 | .227 | .80 | .240 | | | .257 | .233 |
| .84 | | | -.001 | | | .84 | | | .005 | | |
| .86 | | .215 | | | | .86 | | .245 | | | |
| .90 | | | | .291 | .275 | .90 | | | | .305 | .285 |
| .91 | .235 | | | | | .91 | .258 | | | | |
| .95 | .180 | .142 | .207 | .258 | .234 | .95 | .205 | .170 | .217 | .269 | .242 |

RUN = 475 POINT = 13

TABLE 82 CONCLUDED

| | (M) ALPHA = .23 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .010 | .281 | .616 | .774 | .696 |
| .05 | -.158 | -.234 | -.269 | -.376 | -.181 |
| .10 | -.224 | -.239 | -.404 | -.383 | -.197 |
| .20 | -.267 | -.289 | -.356 | -.306 | -.193 |
| .30 | -.224 | -.317 | -.385 | -.239 | -.202 |
| .40 | -.208 | -.282 | -.214 | -.164 | -.232 |
| .50 | -.219 | -.244 | -.190 | -.183 | -.258 |
| .60 | -.162 | -.163 | -.186 | -.222 | -.284 |
| .67 | | | -.056 | | |
| .70 | -.098 | -.157 | | -.280 | -.325 |
| .80 | -.055 | | | -.376 | -.474 |
| .84 | | | .046 | | |
| .86 | | -.102 | | | |
| .90 | | | | -.227 | -.226 |
| .91 | -.054 | | | | |
| .95 | -.048 | -.082 | -.205 | -.026 | -.058 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.046 | -.164 | -.373 | -.498 | -.596 |
| .10 | -.103 | .033 | -.399 | -.593 | -.732 |
| .20 | -.200 | .186 | -.389 | -.577 | -.724 |
| .30 | -.265 | -.255 | -.410 | -.563 | -.713 |
| .40 | -.210 | -.273 | -.417 | -.594 | -.703 |
| .50 | -.153 | -.367 | -.531 | -.659 | -.706 |
| .60 | -.142 | -.347 | -.498 | -.171 | -.154 |
| .67 | | | -.195 | | |
| .70 | -.125 | -.100 | | -.084 | .015 |
| .80 | -0.000 | | | -.053 | .171 |
| .84 | | | .008 | | |
| .86 | | .095 | | | |
| .90 | | | | .100 | .281 |
| .91 | .103 | | | | |
| .95 | .105 | .134 | .186 | .229 | .281 |

RUN = 474 POINT = 3

TABLE 83

WING PRESSURE COEFFICIENTS

RUN = 474 POINT = 4

| (A) ALPHA = -.84 DEGREES | | | | | | (B) ALPHA = .19 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .010 | .282 | .655 | .783 | .679 | 0.00 | -.001 | .264 | .628 | .781 | .725 |
| .05 | -.120 | -.165 | -.104 | -.194 | -.064 | .05 | -.182 | -.249 | -.252 | -.385 | -.223 |
| .10 | -.176 | -.161 | -.257 | -.208 | -.099 | .10 | -.227 | -.270 | -.389 | -.401 | -.263 |
| .20 | -.237 | -.185 | -.257 | -.176 | -.125 | .20 | -.271 | -.288 | -.347 | -.339 | -.247 |
| .30 | -.180 | -.259 | -.257 | -.226 | -.144 | .30 | -.234 | -.304 | -.409 | -.346 | -.172 |
| .40 | -.208 | -.201 | -.149 | -.181 | -.179 | .40 | -.238 | -.288 | -.235 | -.214 | -.205 |
| .50 | -.155 | -.169 | -.145 | -.111 | -.216 | .50 | -.227 | -.241 | -.235 | -.125 | -.235 |
| .60 | -.114 | -.123 | -.181 | -.189 | -.251 | .60 | -.160 | -.183 | -.211 | -.175 | -.277 |
| .67 | | | -.106 | | | .67 | | | -.093 | | |
| .70 | -.053 | -.128 | | -.251 | -.279 | .70 | -.104 | -.174 | | -.242 | -.323 |
| .80 | -.034 | | | -.343 | -.432 | .80 | -.066 | | | -.362 | -.455 |
| .84 | | | .054 | | | .84 | | | .055 | | |
| .86 | | -.121 | | | | .86 | | -.114 | | | |
| .90 | | | | -.238 | -.335 | .90 | | | | -.282 | -.240 |
| .91 | -.062 | | | | | .91 | -.078 | | | | |
| .95 | -.071 | -.113 | -.235 | -.052 | -.064 | .95 | -.074 | -.076 | -.224 | -.015 | -.070 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.066 | -.308 | -.558 | -.558 | -.628 | .05 | -.040 | -.205 | -.335 | -.460 | -.535 |
| .10 | -.120 | .428 | -.499 | -.673 | -.760 | .10 | -.093 | .009 | -.356 | -.559 | -.670 |
| .20 | -.222 | 1.055 | -.435 | -.631 | -.758 | .20 | -.191 | .477 | -.367 | -.549 | -.670 |
| .30 | -.291 | -.173 | -.425 | -.606 | -.754 | .30 | -.266 | -.224 | -.380 | -.534 | -.665 |
| .40 | -.327 | -.257 | -.418 | -.622 | -.770 | .40 | -.301 | -.256 | -.399 | -.567 | -.662 |
| .50 | -.215 | -.375 | -.558 | -.666 | -.791 | .50 | -.089 | -.336 | -.515 | -.627 | -.700 |
| .60 | -.105 | -.383 | -.616 | -.376 | -.504 | .60 | -.117 | -.336 | -.567 | -.247 | -.290 |
| .67 | | | .723 | | | .67 | | | .616 | | |
| .70 | -.127 | -.188 | | -.197 | -.172 | .70 | -.113 | -.125 | | -.140 | -.095 |
| .80 | -.036 | | | -.221 | -.104 | .80 | -.007 | | | -.163 | .031 |
| .84 | | | -.045 | | | .84 | | | .025 | | |
| .86 | | .056 | | | | .86 | | .093 | | | |
| .90 | | | | -.183 | .039 | .90 | | | | -.098 | .172 |
| .91 | .071 | | | | | .91 | .102 | | | | |
| .95 | .081 | .110 | .034 | -.104 | .095 | .95 | .100 | .134 | .161 | .036 | .197 |

RUN = 474 POINT = 6

TABLE 83 CONTINUED

RUN = 474 POINT = 7

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.014 | .235 | .584 | .783 | .730 | 0.00 | -.032 | .213 | .549 | .776 | .743 |
| .05 | -.240 | -.327 | -.416 | -.485 | -.387 | .05 | -.276 | -.452 | -.580 | -.554 | -.467 |
| .10 | -.305 | -.353 | -.526 | -.521 | -.404 | .10 | -.354 | -.412 | -.610 | -.617 | -.500 |
| .20 | -.303 | -.359 | -.437 | -.480 | -.416 | .20 | -.293 | -.406 | -.519 | -.596 | -.506 |
| .30 | -.264 | -.370 | -.468 | -.464 | -.388 | .30 | -.282 | -.426 | -.550 | -.596 | -.507 |
| .40 | -.276 | -.342 | -.314 | -.414 | -.385 | .40 | -.293 | -.433 | -.450 | -.532 | -.513 |
| .50 | -.263 | -.301 | -.321 | -.345 | -.355 | .50 | -.284 | -.364 | -.424 | -.500 | -.527 |
| .60 | -.198 | -.245 | -.269 | -.230 | -.155 | .60 | -.256 | -.299 | -.342 | -.474 | -.528 |
| .67 | | | -.214 | | | .67 | | | -.286 | | |
| .70 | -.133 | -.223 | | -.244 | -.246 | .70 | -.173 | -.273 | | -.275 | -.528 |
| .80 | -.105 | | | -.340 | -.413 | .80 | -.141 | | | -.378 | -.443 |
| .84 | | | .051 | | | .84 | | | .052 | | |
| .86 | | -.180 | | | | .86 | | -.230 | | | |
| .90 | | | | -.223 | -.383 | .90 | | | | -.183 | -.176 |
| .91 | -.112 | | | | | .91 | -.145 | | | | |
| .95 | -.098 | -.063 | -.206 | -.010 | -.057 | .95 | -.132 | -.063 | -.241 | -.015 | -.019 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.014 | -.102 | -.194 | -.352 | -.437 | .05 | .008 | -.003 | -.098 | -.258 | -.356 |
| .10 | -.070 | -.076 | -.265 | -.468 | -.578 | .10 | -.049 | -.027 | -.176 | -.366 | -.511 |
| .20 | -.161 | .042 | -.299 | -.457 | -.587 | .20 | -.138 | .001 | -.240 | -.394 | -.492 |
| .30 | -.237 | -.186 | -.335 | -.464 | -.563 | .30 | -.212 | -.134 | -.279 | -.412 | -.488 |
| .40 | -.266 | -.221 | -.351 | -.521 | -.575 | .40 | -.108 | -.184 | -.291 | -.472 | -.506 |
| .50 | -.090 | -.297 | -.445 | -.585 | -.650 | .50 | -.077 | -.256 | -.382 | -.555 | -.602 |
| .60 | -.096 | -.297 | -.454 | -.185 | -.152 | .60 | -.075 | -.234 | -.375 | -.211 | -.091 |
| .67 | | | .449 | | | .67 | | | .380 | | |
| .70 | -.083 | -.089 | | -.080 | .011 | .70 | -.056 | -.067 | | .008 | .067 |
| .80 | .022 | | | -.068 | .110 | .80 | .050 | | | .048 | .151 |
| .84 | | | .066 | | | .84 | | | .057 | | |
| .86 | | .114 | | | | .86 | | .128 | | | |
| .90 | | | | .083 | .232 | .90 | | | | .166 | .255 |
| .91 | .122 | | | | | .91 | .133 | | | | |
| .95 | .116 | .139 | .198 | .220 | .265 | .95 | .122 | .139 | .218 | .260 | .288 |

RUN = 474 POINT = 8

TABLE 83 CONTINUED

RUN = 474 POINT = 9

| (E) ALPHA = 2.81 DEGREES | | | | | | (F) ALPHA = 3.35 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.051 | .172 | .512 | .769 | .749 | 0.00 | -.067 | .133 | .484 | .757 | .753 |
| .05 | -.341 | -.597 | -.740 | -.611 | -.530 | .05 | -.349 | -.651 | -.795 | -.655 | -.578 |
| .10 | -.413 | -.507 | -.734 | -.688 | -.567 | .10 | -.443 | -.574 | -.835 | -.721 | -.627 |
| .20 | -.368 | -.451 | -.640 | -.667 | -.581 | .20 | -.386 | -.483 | -.730 | -.714 | -.625 |
| .30 | -.293 | -.455 | -.594 | -.660 | -.577 | .30 | -.295 | -.487 | -.626 | -.712 | -.627 |
| .40 | -.302 | -.479 | -.527 | -.657 | -.588 | .40 | -.304 | -.498 | -.565 | -.698 | -.629 |
| .50 | -.306 | -.416 | -.481 | -.639 | -.604 | .50 | -.321 | -.440 | -.531 | -.724 | -.648 |
| .60 | -.282 | -.392 | -.456 | -.566 | -.624 | .60 | -.312 | -.444 | -.515 | -.696 | -.656 |
| .67 | | | -.340 | | | .67 | | | -.420 | | |
| .70 | -.236 | -.312 | | -.524 | -.656 | .70 | -.264 | -.359 | | -.604 | -.693 |
| .80 | -.169 | | | -.409 | -.640 | .80 | -.197 | | | -.466 | -.592 |
| .84 | | | .048 | | | .84 | | | .048 | | |
| .86 | | -.254 | | | | .86 | | -.272 | | | |
| .90 | | | | -.170 | -.252 | .90 | | | | -.164 | -.285 |
| .91 | -.175 | | | | | .91 | -.197 | | | | |
| .95 | -.160 | -.067 | -.266 | -.034 | -.134 | .95 | -.183 | -.079 | -.277 | -.051 | -.226 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .030 | .078 | -.004 | -.163 | -.235 | .05 | .039 | .126 | .061 | -.090 | -.161 |
| .10 | -.028 | .048 | -.096 | -.288 | -.409 | .10 | -.009 | .100 | -.048 | -.226 | -.366 |
| .20 | -.114 | .034 | -.184 | -.319 | -.414 | .20 | -.098 | .070 | -.143 | -.269 | -.363 |
| .30 | -.173 | -.090 | -.235 | -.329 | -.398 | .30 | -.122 | -.062 | -.194 | -.293 | -.358 |
| .40 | -.098 | -.136 | -.235 | -.427 | -.436 | .40 | -.081 | -.112 | -.200 | -.399 | -.417 |
| .50 | -.053 | -.214 | -.285 | -.442 | -.572 | .50 | -.037 | -.173 | -.265 | -.431 | -.543 |
| .60 | -.048 | -.178 | -.331 | -.323 | -.097 | .60 | -.035 | -.162 | -.322 | -.363 | -.090 |
| .67 | | | .320 | | | .67 | | | .267 | | |
| .70 | -.031 | -.043 | | .036 | .092 | .70 | -.013 | -.032 | | .053 | .090 |
| .80 | .075 | | | .083 | .187 | .80 | .089 | | | .111 | .195 |
| .84 | | | .054 | | | .84 | | | .048 | | |
| .86 | | .143 | | | | .86 | | .147 | | | |
| .90 | | | | .182 | .260 | .90 | | | | .197 | .251 |
| .91 | .150 | | | | | .91 | .159 | | | | |
| .95 | .130 | .134 | .225 | .251 | .280 | .95 | .132 | .135 | .223 | .254 | .252 |

RUN = 474 POINT = 10

TABLE 83 CONTINUED

RUN = 474 POINT = 11

| (G) ALPHA = 3.82 DEGREES | | | | | | (H) ALPHA = 4.86 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.081 | .104 | .462 | .744 | .753 | 0.00 | -.116 | .034 | .392 | .715 | .753 |
| .05 | -.387 | -.714 | -.937 | -.696 | -.598 | .05 | -.471 | -.924 | -.939 | -.780 | -.669 |
| .10 | -.467 | -.638 | -.878 | -.757 | -.650 | .10 | -.532 | -.834 | -.995 | -.831 | -.718 |
| .20 | -.417 | -.516 | -.796 | -.743 | -.656 | .20 | -.455 | -.556 | -.952 | -.822 | -.735 |
| .30 | -.286 | -.514 | -.652 | -.749 | -.653 | .30 | -.298 | -.563 | -.856 | -.822 | -.726 |
| .40 | -.315 | -.518 | -.577 | -.733 | -.660 | .40 | -.333 | -.560 | -.604 | -.813 | -.733 |
| .50 | -.332 | -.468 | -.566 | -.759 | -.679 | .50 | -.355 | -.508 | -.602 | -.827 | -.742 |
| .60 | -.319 | -.469 | -.551 | -.770 | -.693 | .60 | -.346 | -.523 | -.600 | -.846 | -.763 |
| .67 | | | -.485 | | | .67 | | | -.599 | | |
| .70 | -.282 | -.407 | | -.663 | -.708 | .70 | -.327 | -.461 | | -.852 | -.759 |
| .80 | -.218 | | | -.550 | -.618 | .80 | -.267 | | | -.825 | -.711 |
| .84 | | | .046 | | | .84 | | | .041 | | |
| .86 | | -.288 | | | | .86 | | -.328 | | | |
| .90 | | | | -.186 | -.341 | .90 | | | | -.397 | -.528 |
| .91 | -.218 | | | | | .91 | -.263 | | | | |
| .95 | -.205 | -.086 | -.288 | -.096 | -.289 | .95 | -.254 | -.115 | -.321 | -.272 | -.457 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .047 | .151 | .112 | -.063 | -.112 | .05 | .073 | .230 | .210 | .040 | -.008 |
| .10 | -.002 | .134 | -.014 | -.181 | -.329 | .10 | .027 | .198 | .068 | -.084 | -.222 |
| .20 | -.083 | .108 | -.116 | -.237 | -.317 | .20 | -.040 | .160 | -.043 | -.163 | -.253 |
| .30 | -.087 | -.040 | -.179 | -.263 | -.329 | .30 | -.046 | .010 | -.109 | -.202 | -.274 |
| .40 | -.065 | -.092 | -.179 | -.367 | -.403 | .40 | -.025 | -.054 | -.165 | -.288 | -.329 |
| .50 | -.024 | -.147 | -.240 | -.418 | -.507 | .50 | .009 | -.097 | -.183 | -.396 | -.367 |
| .60 | -.022 | -.151 | -.304 | -.374 | -.091 | .60 | .012 | -.102 | -.260 | -.322 | -.103 |
| .67 | | | .221 | | | .67 | | | .181 | | |
| .70 | -.002 | -.027 | | .057 | .079 | .70 | .027 | -.011 | | .081 | .066 |
| .80 | .095 | | | .128 | .205 | .80 | .117 | | | .171 | .214 |
| .84 | | | .043 | | | .84 | | | .042 | | |
| .86 | | .152 | | | | .86 | | .159 | | | |
| .90 | | | | .210 | .266 | .90 | | | | .252 | .272 |
| .91 | .161 | | | | | .91 | .176 | | | | |
| .95 | .134 | .128 | .222 | .252 | .254 | .95 | .139 | .121 | .230 | .253 | .240 |

RUN = 474 POINT = 12

TABLE 83 CONTINUED

RUN = 474 POINT = 13

| (I) ALPHA = 5.94 DEGREES | | | | | | (J) ALPHA = 7.99 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.151 | -.035 | .325 | .688 | .747 | 0.00 | -.256 | -.198 | .191 | .599 | .721 |
| .05 | -.538 | -1.031 | -1.020 | -.851 | -.738 | .05 | -.658 | -1.090 | -1.150 | -.989 | -.872 |
| .10 | -.591 | -.971 | -1.081 | -.902 | -.795 | .10 | -.726 | -1.078 | -1.147 | -1.028 | -.920 |
| .20 | -.496 | -.650 | -1.046 | -.892 | -.797 | .20 | -.559 | -.980 | -1.130 | -1.007 | -.916 |
| .30 | -.333 | -.601 | -.981 | -.888 | -.793 | .30 | -.372 | -.892 | -1.079 | -1.007 | -.904 |
| .40 | -.349 | -.595 | -.861 | -.874 | -.793 | .40 | -.390 | -.821 | -.898 | -.993 | -.903 |
| .50 | -.373 | -.549 | -.610 | -.890 | -.804 | .50 | -.414 | -.732 | -.773 | -1.002 | -.910 |
| .60 | -.371 | -.560 | -.630 | -.906 | -.826 | .60 | -.423 | -.642 | -.723 | -.977 | -.882 |
| .67 | | | -.623 | | | .67 | | | -.607 | | |
| .70 | -.355 | -.506 | | -.908 | -.804 | .70 | -.418 | -.577 | | -.950 | -.849 |
| .80 | -.301 | | | -.825 | -.778 | .80 | -.375 | | | -.817 | -.792 |
| .84 | | | .045 | | | .84 | | | .036 | | |
| .86 | | -.369 | | | | .86 | | -.443 | | | |
| .90 | | | | -.521 | -.664 | .90 | | | | -.579 | -.619 |
| .91 | -.300 | | | | | .91 | -.366 | | | | |
| .95 | -.298 | -.142 | -.314 | -.451 | -.595 | .95 | -.372 | -.186 | -.288 | -.526 | -.602 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .282 | .287 | .137 | .070 | .05 | .128 | .370 | .420 | .292 | .215 |
| .10 | .064 | .258 | .137 | -.002 | -.111 | .10 | .117 | .336 | .261 | .138 | .046 |
| .20 | .008 | .217 | .016 | -.090 | -.169 | .20 | .087 | .282 | .128 | .020 | -.037 |
| .30 | -.006 | .053 | -.053 | -.152 | -.221 | .30 | .082 | .137 | .041 | -.063 | -.082 |
| .40 | .011 | -.009 | -.110 | -.231 | -.259 | .40 | .086 | .071 | -.011 | -.155 | -.120 |
| .50 | .044 | -.057 | -.152 | -.361 | -.167 | .50 | .108 | .026 | -.069 | -.262 | -.191 |
| .60 | .044 | -.068 | -.247 | -.145 | -.128 | .60 | .106 | .002 | -.178 | -.138 | -.106 |
| .67 | | | .148 | | | .67 | | | .122 | | |
| .70 | .059 | .014 | | .095 | .054 | .70 | .111 | .058 | | .072 | .058 |
| .80 | .141 | | | .224 | .212 | .80 | .183 | | | .241 | .220 |
| .84 | | | .046 | | | .84 | | | .045 | | |
| .86 | | .174 | | | | .86 | | .202 | | | |
| .90 | | | | .281 | .269 | .90 | | | | .294 | .278 |
| .91 | .193 | | | | | .91 | .223 | | | | |
| .95 | .147 | .125 | .233 | .265 | .240 | .95 | .173 | .141 | .229 | .266 | .239 |

RUN = 474 POINT = 14

TABLE 83 CONTINUED

RUN = 474 POINT = 15

| (K) ALPHA = 10.04 DEGREES | | | | | | (L) ALPHA = 12.05 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.363 | -.381 | .024 | .472 | .662 | 0.00 | -.478 | -.552 | -.169 | .346 | .586 |
| .05 | -.807 | -1.107 | -1.183 | -1.116 | -1.009 | .05 | -1.067 | -1.135 | -1.206 | -1.225 | -1.120 |
| .10 | -.895 | -1.107 | -1.205 | -1.128 | -1.040 | .10 | -1.065 | -1.141 | -1.210 | -1.208 | -1.141 |
| .20 | -.621 | -1.094 | -1.117 | -1.104 | -1.023 | .20 | -.843 | -1.152 | -1.156 | -1.149 | -1.055 |
| .30 | -.442 | -1.105 | -1.061 | -1.085 | -1.010 | .30 | -.432 | -1.215 | -1.112 | -1.114 | -.966 |
| .40 | -.416 | -1.118 | -.984 | -1.058 | -.990 | .40 | -.438 | -1.243 | -1.086 | -.871 | -.873 |
| .50 | -.451 | -1.109 | -.896 | -1.018 | -.954 | .50 | -.475 | -1.267 | -1.096 | -.765 | -.698 |
| .60 | -.464 | -1.061 | -.763 | -.838 | -.918 | .60 | -.502 | -1.215 | -1.090 | -.700 | -.628 |
| .67 | | | -.633 | | | .67 | | | -.967 | | |
| .70 | -.462 | -.911 | | -.692 | -.749 | .70 | -.506 | -1.254 | | -.658 | -.581 |
| .80 | -.425 | | | -.641 | -.648 | .80 | -.471 | | | -.637 | -.558 |
| .84 | | | .037 | | | .84 | | | .030 | | |
| .86 | | -.260 | | | | .86 | | -.843 | | | |
| .90 | | | | -.575 | -.579 | .90 | | | | -.614 | -.543 |
| .91 | -.412 | | | | | .91 | -.436 | | | | |
| .95 | -.425 | -.249 | -.535 | -.541 | -.563 | .95 | -.467 | -.217 | -.748 | -.598 | -.538 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .144 | .423 | .528 | .415 | .342 | .05 | .144 | .467 | .603 | .518 | .454 |
| .10 | .166 | .393 | .366 | .254 | .175 | .10 | .199 | .442 | .455 | .354 | .287 |
| .20 | .155 | .343 | .226 | .116 | .067 | .20 | .216 | .398 | .304 | .197 | .168 |
| .30 | .155 | .209 | .136 | .024 | .001 | .30 | .218 | .279 | .204 | .108 | .087 |
| .40 | .153 | .142 | .083 | -.047 | -.054 | .40 | .212 | .208 | .143 | .037 | .018 |
| .50 | .168 | .093 | -0.000 | -.103 | -.113 | .50 | .220 | .154 | .059 | -.039 | -.038 |
| .60 | .155 | .054 | -.107 | -.134 | -.078 | .60 | .205 | .111 | -.053 | -.086 | -.038 |
| .67 | | | .104 | | | .67 | | | .092 | | |
| .70 | .155 | .100 | | .070 | .068 | .70 | .203 | .134 | | .098 | .084 |
| .80 | .213 | | | .246 | .234 | .80 | .253 | | | .268 | .252 |
| .84 | | | .039 | | | .84 | | | .050 | | |
| .86 | | .226 | | | | .86 | | .251 | | | |
| .90 | | | | .308 | .284 | .90 | | | | .323 | .297 |
| .91 | .244 | | | | | .91 | .267 | | | | |
| .95 | .191 | .152 | .223 | .269 | .248 | .95 | .203 | .163 | .231 | .282 | .258 |

RUN = 474 POINT = 16

TABLE 83 CONCLUDED

| X/C | (M) | ALPHA = | .20 DEGREES | | |
|------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.002 | .263 | .629 | .787 | .707 |
| .05 | -.152 | -.256 | -.245 | -.376 | -.220 |
| .10 | -.225 | -.271 | -.387 | -.390 | -.247 |
| .20 | -.265 | -.276 | -.332 | -.340 | -.182 |
| .30 | -.231 | -.299 | -.402 | -.350 | -.182 |
| .40 | -.233 | -.299 | -.234 | -.217 | -.192 |
| .50 | -.222 | -.231 | -.218 | -.127 | -.233 |
| .60 | -.156 | -.191 | -.212 | -.172 | -.275 |
| .67 | | | -.106 | | |
| .70 | -.097 | -.168 | | -.247 | -.319 |
| .80 | -.063 | | .057 | -.362 | -.456 |
| .84 | | -.106 | | | |
| .86 | | | | -.270 | -.232 |
| .90 | | | | | |
| .91 | -.077 | | -.231 | -.018 | -.059 |
| .95 | -.070 | -.088 | | | |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.037 | -.212 | -.343 | -.462 | -.530 |
| .10 | -.090 | -.003 | -.374 | -.561 | -.665 |
| .20 | -.196 | .169 | -.378 | -.546 | -.663 |
| .30 | -.264 | -.225 | -.383 | -.523 | -.662 |
| .40 | -.300 | -.253 | -.401 | -.563 | -.651 |
| .50 | -.088 | -.337 | -.523 | -.631 | -.694 |
| .60 | -.116 | -.337 | -.573 | -.259 | -.283 |
| .67 | | | .031 | | |
| .70 | -.112 | -.124 | | -.141 | -.100 |
| .80 | -.008 | | | -.170 | .040 |
| .84 | | .088 | -.003 | | |
| .86 | | | | -.096 | .193 |
| .90 | | | | | |
| .91 | .101 | | .153 | .017 | .205 |
| .95 | .101 | .130 | | | |

RUN = 510 POINT = 1

TABLE 84

WING PRESSURE COEFFICIENTS

RUN = 510 POINT = 2

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.036 | .295 | .584 | .679 | .493 | 0.00 | .009 | .258 | .565 | .721 | .584 |
| .05 | .016 | -.153 | -.147 | .685 | .012 | .05 | .011 | -.279 | -.346 | .719 | -.123 |
| .10 | -.163 | -.179 | -.246 | -.124 | -.042 | .10 | -.235 | -.273 | -.360 | -.250 | -.157 |
| .20 | -.187 | -.210 | -.197 | -.142 | -.090 | .20 | -.235 | -.269 | -.255 | -.247 | -.159 |
| .30 | -.159 | -.232 | -.187 | -.132 | -.121 | .30 | -.198 | -.282 | -.255 | -.212 | -.193 |
| .40 | -.157 | -.180 | -.131 | -.138 | -.153 | .40 | -.194 | -.226 | -.185 | -.185 | -.210 |
| .50 | -.153 | -.164 | -.117 | -.128 | -.178 | .50 | -.184 | -.204 | -.154 | -.181 | -.229 |
| .60 | -.108 | -.117 | -.073 | -.169 | -.202 | .60 | -.139 | -.142 | -.109 | -.204 | -.229 |
| .67 | | | .014 | | | .67 | | | -.006 | | |
| .70 | -.058 | -.106 | | -.169 | -.239 | .70 | -.077 | -.125 | | -.204 | -.268 |
| .80 | -.044 | | | -.246 | -.299 | .80 | -.056 | | | -.274 | -.323 |
| .84 | | | .030 | | | .84 | | | .026 | | |
| .86 | | -.082 | | | | .86 | | -.086 | | | |
| .90 | | | | -.250 | -.288 | .90 | | | | -.276 | -.302 |
| .91 | -.034 | | | | | .91 | -.042 | | | | |
| .95 | -.034 | -.086 | -.154 | -.105 | -.140 | .95 | -.038 | -.080 | -.160 | -.142 | -.142 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.078 | -.304 | -.634 | -.842 | -1.102 | .05 | -.048 | -.175 | -.429 | -.526 | -.890 |
| .10 | -.165 | -.267 | -.564 | -.799 | -1.090 | .10 | -.117 | -.199 | -.419 | -.561 | -.711 |
| .20 | -.218 | -.189 | -.446 | -.584 | -.401 | .20 | -.180 | -.197 | -.351 | -.483 | -.413 |
| .30 | -.238 | -.306 | -.399 | -.457 | -.357 | .30 | -.192 | -.237 | -.337 | -.405 | -.325 |
| .40 | -.230 | -.312 | -.354 | -.418 | -.332 | .40 | -.194 | -.255 | -.310 | -.353 | -.306 |
| .50 | -.177 | -.283 | -.356 | -.323 | -.254 | .50 | -.156 | -.243 | -.310 | -.297 | -.239 |
| .60 | -.151 | -.217 | -.351 | -.227 | -.119 | .60 | -.113 | -.191 | -.326 | -.222 | -.111 |
| .67 | | | -.418 | | | .67 | | | -.401 | | |
| .70 | -.094 | -.082 | | .021 | .052 | .70 | -.073 | -.060 | | .034 | .070 |
| .80 | .022 | | | .147 | .158 | .80 | .038 | | | .209 | .175 |
| .84 | | | -.190 | | | .84 | | | -.150 | | |
| .86 | | .107 | | | | .86 | | .122 | | | |
| .90 | | | | .210 | .202 | .90 | | | | .274 | .228 |
| .91 | .107 | | | | | .91 | .119 | | | | |
| .95 | .103 | -.127 | .091 | .221 | .206 | .95 | .111 | .141 | .162 | .270 | .223 |

RUN = 510 POINT = 3

TABLE 84 CONTINUED

RUN = 510 POINT = 4

| (C) ALPHA = 1.05 DEGREES | | | | | | (D) ALPHA = 1.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.005 | .221 | .521 | .733 | .659 | 0.00 | -.017 | .158 | .440 | .717 | .708 |
| .05 | -.003 | -.380 | -.486 | .737 | -.244 | .05 | -.017 | -.523 | -.672 | .717 | -.436 |
| .10 | -.262 | -.364 | -.492 | -.426 | -.259 | .10 | -.316 | -.462 | -.660 | -.631 | -.378 |
| .20 | -.273 | -.344 | -.335 | -.333 | -.234 | .20 | -.307 | -.409 | -.407 | -.493 | -.321 |
| .30 | -.234 | -.333 | -.300 | -.281 | -.234 | .30 | -.267 | -.399 | -.360 | -.330 | -.292 |
| .40 | -.226 | -.275 | -.211 | -.232 | -.242 | .40 | -.263 | -.321 | -.261 | -.277 | -.288 |
| .50 | -.210 | -.224 | -.174 | -.213 | -.265 | .50 | -.249 | -.261 | -.210 | -.264 | -.302 |
| .60 | -.163 | -.160 | -.127 | -.215 | -.263 | .60 | -.194 | -.193 | -.146 | -.256 | -.288 |
| .67 | | | -.018 | | | .67 | | | -.041 | | |
| .70 | -.104 | -.147 | | -.232 | -.292 | .70 | -.129 | -.164 | | -.256 | -.321 |
| .80 | -.066 | | | -.292 | -.349 | .80 | -.084 | | | -.303 | -.368 |
| .84 | | | .031 | | | .84 | | | .028 | | |
| .86 | | -.096 | | | | .86 | | -.105 | | | |
| .90 | | | | -.292 | -.313 | .90 | | | | -.279 | -.328 |
| .91 | -.041 | | | | | .91 | -.056 | | | | |
| .95 | -.045 | -.082 | -.170 | -.139 | -.149 | .95 | -.050 | -.078 | -.171 | -.134 | -.163 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.090 | -.275 | -.343 | -.537 | .05 | .018 | .006 | -.107 | -.227 | -.307 |
| .10 | -.080 | -.123 | -.296 | -.442 | -.552 | .10 | -.052 | -.032 | -.192 | -.326 | -.390 |
| .20 | -.139 | -.152 | -.279 | -.383 | -.389 | .20 | -.105 | -.082 | -.227 | -.306 | -.304 |
| .30 | -.171 | -.197 | -.292 | -.360 | -.267 | .30 | -.139 | -.150 | -.225 | -.293 | -.250 |
| .40 | -.161 | -.215 | -.273 | -.323 | -.259 | .40 | -.125 | -.173 | -.219 | -.274 | -.224 |
| .50 | -.120 | -.209 | -.279 | -.258 | -.213 | .50 | -.093 | -.177 | -.243 | -.229 | -.178 |
| .60 | -.096 | -.170 | -.300 | -.202 | -.099 | .60 | -.076 | -.138 | -.275 | -.185 | -.086 |
| .67 | | | -.380 | | | .67 | | | -.357 | | |
| .70 | -.054 | -.047 | | .049 | .089 | .70 | -.032 | -.035 | | .056 | .094 |
| .80 | .055 | | | .228 | .224 | .80 | .071 | | | .241 | .254 |
| .84 | | | -.087 | | | .84 | | | -.076 | | |
| .86 | | .140 | | | | .86 | | .146 | | | |
| .90 | | | | .300 | .285 | .90 | | | | .313 | .313 |
| .91 | .134 | | | | | .91 | .140 | | | | |
| .95 | .120 | .146 | .158 | .281 | .281 | .95 | .128 | .152 | .181 | .296 | .298 |

RUN = 510 POINT = 5

TABLE 84 CONTINUED

RUN = 510 POINT = 6

| (E) ALPHA = 2.82 DEGREES | | | | | | (F) ALPHA = 3.28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.062 | .081 | .371 | .677 | .720 | 0.00 | -.081 | .015 | .320 | .647 | .717 |
| .05 | -.056 | -.659 | -.941 | .661 | -.659 | .05 | -.077 | -.727 | -1.062 | .651 | -.850 |
| .10 | -.372 | -.559 | -.871 | -.930 | -.535 | .10 | -.397 | -.633 | -1.003 | -1.048 | -.697 |
| .20 | -.356 | -.474 | -.470 | -.722 | -.377 | .20 | -.371 | -.540 | -.564 | -.865 | -.388 |
| .30 | -.305 | -.470 | -.396 | -.372 | -.322 | .30 | -.326 | -.503 | -.405 | -.373 | -.348 |
| .40 | -.301 | -.370 | -.289 | -.337 | -.322 | .40 | -.316 | -.385 | -.301 | -.346 | -.348 |
| .50 | -.285 | -.287 | -.234 | -.310 | -.341 | .50 | -.310 | -.305 | -.251 | -.318 | -.355 |
| .60 | -.222 | -.215 | -.164 | -.286 | -.324 | .60 | -.245 | -.227 | -.175 | -.303 | -.336 |
| .67 | | | -.053 | | | .67 | | | -.064 | | |
| .70 | -.143 | -.178 | | -.288 | -.337 | .70 | -.162 | -.183 | | -.299 | -.348 |
| .80 | -.096 | | | -.304 | -.366 | .80 | -.105 | | | -.305 | -.371 |
| .84 | | | .029 | | | .84 | | .026 | | | |
| .86 | | -.106 | | | | .86 | | -.109 | | | |
| .90 | | | | -.285 | -.297 | .90 | | | | -.241 | -.287 |
| .91 | -.064 | | | | | .91 | -.071 | | | | |
| .95 | -.056 | -.073 | -.168 | -.120 | -.137 | .95 | -.059 | -.062 | -.179 | -.115 | -.134 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .041 | .084 | .019 | -.106 | -.156 | .05 | .052 | .125 | .083 | -.059 | -.081 |
| .10 | -.013 | .045 | -.099 | -.205 | -.261 | .10 | -.002 | .098 | -.067 | -.162 | -.209 |
| .20 | -.074 | -.016 | -.170 | -.228 | -.234 | .20 | -.065 | .048 | -.135 | -.189 | -.182 |
| .30 | -.098 | -.098 | -.182 | -.236 | -.206 | .30 | -.083 | -.074 | -.167 | -.202 | -.174 |
| .40 | -.096 | -.131 | -.184 | -.234 | -.183 | .40 | -.085 | -.105 | -.158 | -.202 | -.165 |
| .50 | -.068 | -.149 | -.205 | -.197 | -.147 | .50 | -.052 | -.132 | -.189 | -.185 | -.140 |
| .60 | -.053 | -.116 | -.256 | -.160 | -.065 | .60 | -.042 | -.111 | -.233 | -.155 | -.062 |
| .67 | | | -.335 | | | .67 | | | -.311 | | |
| .70 | -.009 | -.020 | | .064 | .100 | .70 | -.002 | -.010 | | .067 | .105 |
| .80 | .085 | | | .247 | .260 | .80 | .095 | | | .255 | .273 |
| .84 | | | -.064 | | | .84 | | -.051 | | | |
| .86 | | .163 | | | | .86 | | .162 | | | |
| .90 | | | | .312 | .325 | .90 | | | | .320 | .316 |
| .91 | .152 | | | | | .91 | .157 | | | | |
| .95 | .134 | .156 | .183 | .298 | .302 | .95 | .137 | .162 | .198 | .293 | .305 |

RUN = 510 POINT = 7

TABLE 84 CONTINUED

RUN = 510 POINT = 8

| (G) ALPHA = 3.81 DEGREES | | | | | | (H) ALPHA = 4.75 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.096 | -.030 | .267 | .616 | .718 | 0.00 | -.134 | -.140 | .165 | .550 | .686 |
| .05 | -.096 | -.799 | -1.262 | .621 | -.987 | .05 | -.132 | -1.052 | -1.452 | .560 | -1.199 |
| .10 | -.425 | -.721 | -1.199 | -1.174 | -.899 | .10 | -.494 | -.855 | -1.351 | -1.300 | -1.097 |
| .20 | -.398 | -.581 | -.692 | -1.009 | -.395 | .20 | -.437 | -.691 | -.877 | -1.193 | -.541 |
| .30 | -.339 | -.557 | -.417 | -.362 | -.381 | .30 | -.381 | -.651 | -.448 | -.939 | -.378 |
| .40 | -.339 | -.431 | -.310 | -.343 | -.370 | .40 | -.372 | -.509 | -.323 | -.361 | -.380 |
| .50 | -.329 | -.323 | -.253 | -.327 | -.366 | .50 | -.364 | -.360 | -.253 | -.320 | -.386 |
| .60 | -.263 | -.234 | -.181 | -.312 | -.349 | .60 | -.298 | -.260 | -.181 | -.305 | -.359 |
| .67 | | | -.063 | | | .67 | | | -.071 | | |
| .70 | -.167 | -.195 | | -.302 | -.353 | .70 | -.205 | -.202 | | -.301 | -.359 |
| .80 | -.117 | | | -.302 | -.362 | .80 | -.134 | | | -.293 | -.355 |
| .84 | | | .026 | | | .84 | | | .029 | | |
| .86 | | -.104 | | | | .86 | | -.105 | | | |
| .90 | | | | -.300 | -.269 | .90 | | | | -.274 | -.268 |
| .91 | -.074 | | | | | .91 | -.087 | | | | |
| .95 | -.056 | -.059 | -.172 | -.120 | -.128 | .95 | -.071 | -.044 | -.171 | -.104 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .067 | .154 | .134 | .031 | -.006 | .05 | .082 | .214 | .224 | .100 | .112 |
| .10 | .016 | .131 | -.008 | -.078 | -.122 | .10 | .043 | .189 | .073 | .001 | -.028 |
| .20 | -.036 | .094 | -.039 | -.149 | -.138 | .20 | -.006 | .144 | -.032 | -.081 | -.083 |
| .30 | -.066 | -.047 | -.142 | -.176 | -.141 | .30 | -.031 | -.005 | -.083 | -.119 | -.093 |
| .40 | -.066 | -.094 | -.157 | -.176 | -.138 | .40 | -.027 | -.056 | -.113 | -.125 | -.091 |
| .50 | -.034 | -.098 | -.173 | -.165 | -.109 | .50 | -.004 | -.066 | -.135 | -.133 | -.089 |
| .60 | -.022 | -.094 | -.223 | -.134 | -.044 | .60 | .007 | -.068 | -.189 | -.114 | -.028 |
| .67 | | | -.239 | | | .67 | | | -.266 | | |
| .70 | .012 | -0.000 | | .075 | .109 | .70 | .029 | .017 | | .093 | .123 |
| .80 | .103 | | | .250 | .271 | .80 | .118 | | | .268 | .283 |
| .84 | | | -.041 | | | .84 | | | -.019 | | |
| .86 | | .174 | | | | .86 | | .183 | | | |
| .90 | | | | .326 | .326 | .90 | | | | .334 | .325 |
| .91 | .164 | | | | | .91 | .181 | | | | |
| .95 | .150 | .160 | .171 | .294 | .303 | .95 | .152 | .161 | .193 | .311 | .313 |

RUN = 510 POINT = 9

TABLE 84 CONTINUED

RUN = 510 POINT = 10

| (I) ALPHA = 5.81 DEGREES | | | | | | (J) ALPHA = 7.75 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.191 | -.266 | .070 | .475 | .651 | 0.00 | -.318 | -.482 | -.138 | .357 | .574 |
| .05 | -.187 | -1.334 | -1.591 | .477 | -1.333 | .05 | -.314 | -1.522 | -1.414 | .353 | -1.419 |
| .10 | -.554 | -1.117 | -1.524 | -1.417 | -1.308 | .10 | -.704 | -1.491 | -1.349 | -.897 | -1.366 |
| .20 | -.491 | -.780 | -1.414 | -1.304 | -1.185 | .20 | -.576 | -1.160 | -1.160 | -.811 | -.855 |
| .30 | -.426 | -.719 | -.756 | -.952 | -.402 | .30 | -.498 | -.845 | -1.001 | -.722 | -.612 |
| .40 | -.420 | -.603 | -.342 | -.577 | -.361 | .40 | -.500 | -.535 | -.883 | -.633 | -.522 |
| .50 | -.430 | -.404 | -.247 | -.404 | -.363 | .50 | -.498 | -.413 | -.763 | -.541 | -.434 |
| .60 | -.351 | -.284 | -.188 | -.307 | -.339 | .60 | -.407 | -.336 | -.635 | -.409 | -.380 |
| .67 | | | -.085 | | | .67 | | | -.527 | | |
| .70 | -.245 | -.217 | | -.295 | -.331 | .70 | -.300 | -.288 | | -.402 | -.344 |
| .80 | -.168 | | | -.235 | -.325 | .80 | -.225 | | | -.314 | -.308 |
| .84 | | | .027 | | | .84 | | | .019 | | |
| .86 | | -.105 | | | | .86 | | -.136 | | | |
| .90 | | | | -.210 | -.245 | .90 | | | | -.318 | -.237 |
| .91 | -.110 | | | | | .91 | -.162 | | | | |
| .95 | -.095 | -.040 | -.161 | -.098 | -.118 | .95 | -.136 | -.058 | -.190 | -.253 | -.175 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .092 | .280 | .295 | .185 | .199 | .05 | .106 | .342 | .415 | .268 | .302 |
| .10 | .068 | .237 | .143 | .092 | .047 | .10 | .112 | .307 | .249 | .185 | .136 |
| .20 | .027 | .196 | .027 | -.013 | -.022 | .20 | .082 | .259 | .115 | .067 | .037 |
| .30 | .003 | .038 | -.036 | -.069 | -.049 | .30 | .066 | .105 | .034 | -.015 | -.011 |
| .40 | .001 | -.007 | -.073 | -.081 | -.064 | .40 | .057 | .054 | -.001 | -.046 | -.045 |
| .50 | .021 | -.031 | -.106 | -.102 | -.062 | .50 | .076 | .009 | -.061 | -.094 | -.066 |
| .60 | .031 | -.038 | -.162 | -.104 | -.011 | .60 | .072 | -.001 | -.141 | -.118 | -.032 |
| .67 | | | -.247 | | | .67 | | | -.229 | | |
| .70 | .053 | .031 | | .091 | .127 | .70 | .086 | .058 | | .058 | .098 |
| .80 | .134 | | | .264 | .283 | .80 | .159 | | | .224 | .262 |
| .84 | | | -.005 | | | .84 | | | -.011 | | |
| .86 | | .190 | | | | .86 | | .198 | | | |
| .90 | | | | .329 | .331 | .90 | | | | .281 | .315 |
| .91 | .189 | | | | | .91 | .207 | | | | |
| .95 | .161 | .165 | .189 | .300 | .314 | .95 | .171 | .161 | .171 | .260 | .287 |

RUN = 510 POINT = 11

TABLE 84 CONCLUDED

RUN = 510 POINT = 12

| (K) ALPHA = 9.66 DEGREES | | | | | | (L) ALPHA = .22 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.456 | -.675 | -.325 | .243 | .505 | 0.00 | -.025 | .273 | .563 | .727 | .573 |
| .05 | -.456 | -1.578 | -1.025 | .270 | -1.113 | .05 | .012 | -.284 | -.310 | .728 | -.105 |
| .10 | -.872 | -1.594 | -1.003 | -.747 | -.956 | .10 | -.220 | -.276 | -.361 | -.269 | -.147 |
| .20 | -.675 | -1.491 | -.934 | -.718 | -.694 | .20 | -.236 | -.264 | -.268 | -.213 | -.153 |
| .30 | -.559 | -1.340 | -.889 | -.663 | -.696 | .30 | -.195 | -.287 | -.248 | -.192 | -.176 |
| .40 | -.577 | -1.007 | -.854 | -.627 | -.512 | .40 | -.189 | -.225 | -.178 | -.196 | -.198 |
| .50 | -.549 | -.696 | -.812 | -.578 | -.527 | .50 | -.181 | -.197 | -.153 | -.178 | -.216 |
| .60 | -.421 | -.433 | -.747 | -.495 | -.451 | .60 | -.135 | -.137 | -.098 | -.176 | -.227 |
| .67 | | | -.710 | | | .67 | | | -.005 | | |
| .70 | -.383 | -.415 | | -.485 | -.414 | .70 | -.078 | -.135 | | -.194 | -.263 |
| .80 | -.324 | | | -.429 | -.376 | .80 | -.056 | | | -.277 | -.324 |
| .84 | | | .015 | | | .84 | | | .031 | | |
| .86 | | -.274 | | | | .86 | | -.088 | | | |
| .90 | | | | -.434 | -.329 | .90 | | | | -.267 | -.299 |
| .91 | -.229 | | | | | .91 | -.040 | | | | |
| .95 | -.192 | -.222 | -.515 | -.384 | -.308 | .95 | -.040 | -.084 | -.153 | -.161 | -.145 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .106 | .385 | .492 | .303 | .374 | .05 | -.040 | -.176 | -.430 | -.560 | -.833 |
| .10 | .134 | .362 | .345 | .270 | .201 | .10 | -.120 | -.008 | -.414 | -.585 | -.762 |
| .20 | .134 | .317 | .195 | .123 | .091 | .20 | -.177 | .131 | -.356 | -.505 | -.408 |
| .30 | .128 | .171 | .096 | .021 | .020 | .30 | -.205 | -.246 | -.344 | -.406 | -.316 |
| .40 | .110 | .109 | .044 | -.011 | -.036 | .40 | -.191 | -.256 | -.310 | -.346 | -.311 |
| .50 | .126 | .052 | -.034 | -.081 | -.066 | .50 | -.151 | -.252 | -.313 | -.290 | -.229 |
| .60 | .112 | .033 | -.117 | -.123 | -.053 | .60 | -.120 | -.184 | -.323 | -.227 | -.111 |
| .67 | | | -.208 | | | .67 | | | -.252 | | |
| .70 | .116 | .066 | | .037 | .079 | .70 | -.076 | -.057 | | .040 | .072 |
| .80 | .173 | | | .199 | .245 | .80 | .042 | | | .211 | .177 |
| .84 | | | .011 | | | .84 | | | .004 | | |
| .86 | | .200 | | | | .86 | | .121 | | | |
| .90 | | | | .262 | .288 | .90 | | | | .270 | .228 |
| .91 | .207 | | | | | .91 | .117 | | | | |
| .95 | .163 | .138 | .148 | .214 | .239 | .95 | .113 | .137 | .178 | .285 | .228 |

RUN = 509 POINT = 1

TABLE 85

WING PRESSURE COEFFICIENTS

RUN = 509 POINT = 2

| (A) ALPHA = -.79 DEGREES | | | | | | (B) ALPHA = .17 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|--------|-------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.010 | .292 | .603 | .711 | .553 | 0.00 | .005 | .274 | .576 | .738 | .618 |
| .05 | -.005 | -.152 | -.149 | .715 | .007 | .05 | .005 | -.257 | -.294 | .740 | -.121 |
| .10 | -.180 | -.165 | -.259 | -.124 | -.053 | .10 | -.228 | -.261 | -.367 | -.281 | -.159 |
| .20 | -.178 | -.209 | -.201 | -.149 | -.094 | .20 | -.225 | -.280 | -.280 | -.263 | -.171 |
| .30 | -.171 | -.232 | -.201 | -.142 | -.130 | .30 | -.200 | -.286 | -.261 | -.219 | -.186 |
| .40 | -.163 | -.188 | -.145 | -.153 | -.164 | .40 | -.194 | -.240 | -.188 | -.199 | -.213 |
| .50 | -.155 | -.163 | -.126 | -.136 | -.187 | .50 | -.192 | -.198 | -.161 | -.171 | -.231 |
| .60 | -.112 | -.116 | -.087 | -.180 | -.205 | .60 | -.146 | -.144 | -.109 | -.206 | -.242 |
| .67 | | | .020 | | | .67 | | | -0.000 | | |
| .70 | -.058 | -.112 | | -.180 | -.258 | .70 | -.081 | -.136 | | -.210 | -.292 |
| .80 | -.037 | | | -.270 | -.339 | .80 | -.053 | | | -.294 | -.361 |
| .84 | | | .032 | | | .84 | | | .037 | | |
| .86 | | -.081 | | | | .86 | | -.086 | | | |
| .90 | | | | -.241 | -.307 | .90 | | | | -.257 | -.299 |
| .91 | -.035 | | | | | .91 | -.043 | | | | |
| .95 | -.033 | -.091 | -.169 | -.105 | -.133 | .95 | -.043 | -.086 | -.173 | -.120 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.091 | -.309 | -.631 | -.721 | -.928 | .05 | -.049 | -.190 | -.429 | -.565 | -.808 |
| .10 | -.159 | -.226 | -.572 | -.906 | -1.060 | .10 | -.116 | -.194 | -.422 | -.669 | -.920 |
| .20 | -.226 | -.105 | -.508 | -.770 | -.986 | .20 | -.182 | -.153 | -.413 | -.566 | -.756 |
| .30 | -.255 | -.328 | -.510 | -.594 | -.899 | .30 | -.211 | -.259 | -.391 | -.517 | -.406 |
| .40 | -.244 | -.330 | -.400 | -.556 | -.195 | .40 | -.200 | -.276 | -.349 | -.548 | -.288 |
| .50 | -.198 | -.351 | -.384 | -.358 | -.191 | .50 | -.160 | -.284 | -.343 | -.257 | -.225 |
| .60 | -.173 | -.249 | -.409 | -.180 | -.092 | .60 | -.139 | -.217 | -.380 | -.198 | -.098 |
| .67 | | | -.301 | | | .67 | | | -.294 | | |
| .70 | -.121 | -.091 | | .045 | .081 | .70 | -.087 | -.074 | | .063 | .095 |
| .80 | .004 | | | .148 | .223 | .80 | .032 | | | .208 | .211 |
| .84 | | | -.058 | | | .84 | | | -.051 | | |
| .86 | | .090 | | | | .86 | | .107 | | | |
| .90 | | | | .203 | .279 | .90 | | | | .278 | .256 |
| .91 | .098 | | | | | .91 | .122 | | | | |
| .95 | .101 | .119 | .098 | .234 | .268 | .95 | .110 | .134 | .177 | .274 | .272 |

RUN = 509 POINT = 3

TABLE 85 CONTINUED

RUN = 509 POINT = 4

| (C) ALPHA = 1.05 DEGREES | | | | | | (D) ALPHA = 1.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.007 | .232 | .525 | .740 | .673 | 0.00 | -.032 | .173 | .487 | .726 | .719 |
| .05 | -.007 | -.382 | -.455 | .740 | -.269 | .05 | -.028 | -.497 | -.676 | .724 | -.472 |
| .10 | -.271 | -.357 | -.526 | -.475 | -.266 | .10 | -.317 | -.461 | -.680 | -.736 | -.401 |
| .20 | -.273 | -.340 | -.398 | -.402 | -.251 | .20 | -.309 | -.440 | -.528 | -.604 | -.338 |
| .30 | -.236 | -.350 | -.309 | -.285 | -.246 | .30 | -.273 | -.440 | -.362 | -.287 | -.306 |
| .40 | -.235 | -.300 | -.225 | -.241 | -.262 | .40 | -.271 | -.369 | -.244 | -.284 | -.307 |
| .50 | -.229 | -.237 | -.194 | -.217 | -.275 | .50 | -.275 | -.277 | -.223 | -.267 | -.316 |
| .60 | -.181 | -.175 | -.133 | -.241 | -.282 | .60 | -.216 | -.195 | -.150 | -.278 | -.316 |
| .67 | | | -.018 | | | .67 | | | -.034 | | |
| .70 | -.114 | -.156 | | -.241 | -.321 | .70 | -.141 | -.175 | | -.280 | -.342 |
| .80 | -.070 | | | -.314 | -.397 | .80 | -.088 | | | -.322 | -.423 |
| .84 | | | .029 | | | .84 | | | .035 | | |
| .86 | | -.096 | | | | .86 | | -.100 | | | |
| .90 | | | | -.258 | -.316 | .90 | | | | -.278 | -.309 |
| .91 | -.051 | | | | | .91 | -.059 | | | | |
| .95 | -.051 | -.080 | -.181 | -.126 | -.129 | .95 | -.053 | -.073 | -.189 | -.123 | -.129 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.021 | -.082 | -.263 | -.378 | -.605 | .05 | .013 | .010 | -.135 | -.258 | -.347 |
| .10 | -.086 | -.123 | -.305 | -.499 | -.655 | .10 | -.053 | -.036 | -.208 | -.346 | -.475 |
| .20 | -.154 | -.135 | -.311 | -.443 | -.518 | .20 | -.124 | -.082 | -.243 | -.350 | -.353 |
| .30 | -.177 | -.194 | -.320 | -.413 | -.318 | .30 | -.141 | -.152 | -.251 | -.357 | -.282 |
| .40 | -.168 | -.229 | -.294 | -.485 | -.282 | .40 | -.139 | -.187 | -.256 | -.359 | -.250 |
| .50 | -.126 | -.244 | -.309 | -.272 | -.217 | .50 | -.105 | -.202 | -.263 | -.260 | -.195 |
| .60 | -.109 | -.194 | -.351 | -.206 | -.098 | .60 | -.084 | -.166 | -.320 | -.195 | -.082 |
| .67 | | | -.289 | | | .67 | | | -.278 | | |
| .70 | -.068 | -.065 | | .062 | .098 | .70 | -.040 | -.049 | | .064 | .098 |
| .80 | .051 | | | .229 | .231 | .80 | .070 | | | .238 | .252 |
| .84 | | | -.039 | | | .84 | | | -.021 | | |
| .86 | | .128 | | | | .86 | | .142 | | | |
| .90 | | | | .297 | .286 | .90 | | | | .313 | .306 |
| .91 | .131 | | | | | .91 | .140 | | | | |
| .95 | .121 | .141 | .184 | .290 | .286 | .95 | .127 | .149 | .173 | .292 | .306 |

RUN = 509 POINT = 5

TABLE 85 CONTINUED

RUN = 509 POINT = 6

| (E) ALPHA = 2.89 DEGREES | | | | | | (F) ALPHA = 3.35 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.058 | .092 | .404 | .695 | .730 | 0.00 | -.069 | .058 | .373 | .680 | .730 |
| .05 | -.054 | -.641 | -.974 | .690 | -.781 | .05 | -.067 | -.722 | -1.055 | .682 | -.845 |
| .10 | -.366 | -.582 | -.882 | -.896 | -.683 | .10 | -.390 | -.638 | -.992 | -.940 | -.845 |
| .20 | -.352 | -.526 | -.686 | -.910 | -.279 | .20 | -.388 | -.560 | -.750 | -.982 | -.738 |
| .30 | -.308 | -.516 | -.642 | -.749 | -.335 | .30 | -.330 | -.561 | -.714 | -.733 | -.214 |
| .40 | -.310 | -.445 | -.266 | -.196 | -.351 | .40 | -.330 | -.520 | -.302 | -.552 | -.327 |
| .50 | -.327 | -.345 | -.226 | -.253 | -.375 | .50 | -.340 | -.386 | -.223 | -.199 | -.378 |
| .60 | -.264 | -.226 | -.157 | -.290 | -.371 | .60 | -.283 | -.231 | -.150 | -.274 | -.369 |
| .67 | | | -.035 | | | .67 | | | -.034 | | |
| .70 | -.172 | -.184 | | -.292 | -.377 | .70 | -.195 | -.189 | | -.278 | -.385 |
| .80 | -.111 | | | -.337 | -.402 | .80 | -.126 | | | -.337 | -.394 |
| .84 | | | .030 | | | .84 | | | .035 | | |
| .86 | | -.101 | | | | .86 | | -.098 | | | |
| .90 | | | | -.301 | -.261 | .90 | | | | -.287 | -.262 |
| .91 | -.069 | | | | | .91 | -.075 | | | | |
| .95 | -.060 | -.062 | -.186 | -.122 | -.105 | .95 | -.059 | -.052 | -.181 | -.123 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .038 | .081 | -.007 | -.125 | -.155 | .05 | .048 | .124 | .054 | -.076 | -.086 |
| .10 | -.020 | .042 | -.100 | -.191 | -.274 | .10 | -.002 | .096 | -.056 | -.167 | -.214 |
| .20 | -.088 | -.015 | -.176 | -.264 | -.258 | .20 | -.067 | .042 | -.141 | -.221 | -.212 |
| .30 | -.109 | -.099 | -.193 | -.273 | -.232 | .30 | -.088 | -.071 | -.176 | -.242 | -.203 |
| .40 | -.109 | -.135 | -.193 | -.284 | -.203 | .40 | -.084 | -.115 | -.174 | -.254 | -.178 |
| .50 | -.066 | -.157 | -.226 | -.224 | -.164 | .50 | -.050 | -.139 | -.199 | -.203 | -.151 |
| .60 | -.052 | -.130 | -.275 | -.176 | -.074 | .60 | -.035 | -.119 | -.260 | -.160 | -.056 |
| .67 | | | -.268 | | | .67 | | | -.254 | | |
| .70 | -.016 | -.025 | | .083 | .102 | .70 | -.002 | -.013 | | .087 | .117 |
| .80 | .086 | | | .255 | .266 | .80 | .094 | | | .264 | .273 |
| .84 | | | -.001 | | | .84 | | | -.001 | | |
| .86 | | .154 | | | | .86 | | .160 | | | |
| .90 | | | | .318 | .325 | .90 | | | | .334 | .321 |
| .91 | .155 | | | | | .91 | .165 | | | | |
| .95 | .138 | .156 | .189 | .312 | .305 | .95 | .142 | .156 | .175 | .307 | .312 |

RUN = 509 POINT = 7

TABLE 85 CONTINUED

RUN = 509 POINT = 8

| (G) ALPHA = 3.85 DEGREES | | | | | | (H) ALPHA = 4.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.088 | .006 | .320 | .656 | .715 | 0.00 | -.139 | -.090 | .249 | .603 | .709 |
| .05 | -.086 | -.832 | -1.126 | .652 | -.897 | .05 | -.137 | -1.083 | -1.257 | .600 | -1.024 |
| .10 | -.424 | -.732 | -1.109 | -.999 | -.957 | .10 | -.489 | -.968 | -1.272 | -1.109 | -1.049 |
| .20 | -.396 | -.604 | -.909 | -1.044 | -.812 | .20 | -.445 | -.664 | -1.186 | -1.135 | -1.022 |
| .30 | -.348 | -.620 | -.756 | -.977 | -.634 | .30 | -.389 | -.692 | -.851 | -1.109 | -.959 |
| .40 | -.348 | -.580 | -.427 | -.898 | -.234 | .40 | -.393 | -.677 | -.715 | -1.031 | -.896 |
| .50 | -.377 | -.440 | -.230 | -.200 | -.328 | .50 | -.422 | -.575 | -.317 | -.883 | -.323 |
| .60 | -.321 | -.272 | -.153 | -.249 | -.342 | .60 | -.391 | -.371 | -.156 | -.223 | -.224 |
| .67 | | | -.042 | | | .67 | | | -.042 | | |
| .70 | -.216 | -.201 | | -.246 | -.383 | .70 | -.290 | -.219 | | -.216 | -.277 |
| .80 | -.140 | | | -.330 | -.405 | .80 | -.191 | | | -.261 | -.327 |
| .84 | | | .030 | | | .84 | | | .031 | | |
| .86 | | -.102 | | | | .86 | | -.094 | | | |
| .90 | | | | -.282 | -.275 | .90 | | | | -.247 | -.264 |
| .91 | -.086 | | | | | .91 | -.109 | | | | |
| .95 | -.069 | -.048 | -.174 | -.129 | -.114 | .95 | -.084 | -.036 | -.154 | -.107 | -.115 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .061 | .152 | .119 | -.016 | -.015 | .05 | .081 | .230 | .218 | .092 | .077 |
| .10 | .012 | .127 | -.014 | -.122 | -.166 | .10 | .041 | .189 | .067 | -.023 | -.063 |
| .20 | -.052 | .086 | -.105 | -.182 | -.176 | .20 | -.015 | .147 | -.030 | -.107 | -.104 |
| .30 | -.075 | -.050 | -.153 | -.213 | -.167 | .30 | -.034 | -.007 | -.094 | -.145 | -.104 |
| .40 | -.069 | -.096 | -.173 | -.220 | -.157 | .40 | -.029 | -.042 | -.132 | -.157 | -.102 |
| .50 | -.033 | -.120 | -.185 | -.187 | -.130 | .50 | .001 | -.075 | -.145 | -.147 | -.092 |
| .60 | -.027 | -.104 | -.246 | -.148 | -.053 | .60 | .006 | -.067 | -.210 | -.118 | -.018 |
| .67 | | | -.244 | | | .67 | | | -.230 | | |
| .70 | .006 | -.006 | | .090 | .120 | .70 | .033 | .013 | | .108 | .140 |
| .80 | .105 | | | .269 | .283 | .80 | .126 | | | .292 | .290 |
| .84 | | | -.002 | | | .84 | | | .011 | | |
| .86 | | .164 | | | | .86 | | .180 | | | |
| .90 | | | | .330 | .333 | .90 | | | | .350 | .350 |
| .91 | .166 | | | | | .91 | .187 | | | | |
| .95 | .145 | .158 | .176 | .312 | .321 | .95 | .157 | .160 | .187 | .330 | .335 |

RUN = 509 POINT = 9

TABLE 85 CONCLUDED

RUN = 509 POINT = 10

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = .18 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.180 | -.196 | .147 | .552 | .685 | 0.00 | -.021 | .263 | .583 | .735 | .619 |
| .05 | -.180 | -1.272 | -1.365 | .543 | -1.107 | .05 | .005 | -.266 | -.308 | .739 | -.130 |
| .10 | -.585 | -1.212 | -1.386 | -1.198 | -1.146 | .10 | -.161 | -.258 | -.379 | -.286 | -.163 |
| .20 | -.503 | -.755 | -1.321 | -1.231 | -1.112 | .20 | -.211 | -.274 | -.285 | -.262 | -.170 |
| .30 | -.419 | -.738 | -1.243 | -1.206 | -1.083 | .30 | -.201 | -.299 | -.266 | -.228 | -.191 |
| .40 | -.436 | -.744 | -.727 | -1.140 | -1.004 | .40 | -.199 | -.243 | -.186 | -.197 | -.213 |
| .50 | -.461 | -.669 | -.513 | -1.080 | -.966 | .50 | -.195 | -.203 | -.163 | -.177 | -.231 |
| .60 | -.451 | -.482 | -.207 | -.532 | -.482 | .60 | -.150 | -.147 | -.111 | -.208 | -.249 |
| .67 | | | -.078 | | | .67 | | | -.002 | | |
| .70 | -.363 | -.257 | | -.416 | -.218 | .70 | -.083 | -.136 | | -.206 | -.288 |
| .80 | -.251 | | | -.215 | -.211 | .80 | -.053 | | | -.301 | -.360 |
| .84 | | | .035 | | | .84 | | | .033 | | |
| .86 | | -.082 | | | | .86 | | -.089 | | | |
| .90 | | | | -.217 | -.155 | .90 | | | | -.303 | -.299 |
| .91 | -.140 | | | | | .91 | -.047 | | | | |
| .95 | -.120 | -.032 | -.120 | -.080 | -.070 | .95 | -.040 | -.084 | -.174 | -.128 | -.120 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .278 | .303 | .167 | .176 | .05 | -.055 | -.172 | -.425 | -.578 | -.813 |
| .10 | .077 | .249 | .147 | .067 | .035 | .10 | -.121 | -.035 | -.425 | -.660 | -.905 |
| .20 | .026 | .205 | .026 | -.031 | -.039 | .20 | -.186 | .064 | -.405 | -.554 | -.750 |
| .30 | .007 | .052 | -.039 | -.088 | -.057 | .30 | -.211 | -.249 | -.390 | -.507 | -.369 |
| .40 | .005 | -.008 | -.080 | -.104 | -.070 | .40 | -.207 | -.278 | -.350 | -.545 | -.288 |
| .50 | .033 | -.028 | -.102 | -.115 | -.068 | .50 | -.163 | -.281 | -.348 | -.259 | -.227 |
| .60 | .043 | -.041 | -.171 | -.096 | -.012 | .60 | -.140 | -.218 | -.379 | -.206 | -.104 |
| .67 | | | -.215 | | | .67 | | | -.284 | | |
| .70 | .058 | .037 | | .112 | .137 | .70 | -.091 | -.076 | | .054 | .090 |
| .80 | .146 | | | .285 | .301 | .80 | .028 | | | .215 | .210 |
| .84 | | | .006 | | | .84 | | | -.017 | | |
| .86 | | .193 | | | | .86 | | .105 | | | |
| .90 | | | | .342 | .344 | .90 | | | | .278 | .256 |
| .91 | .199 | | | | | .91 | .117 | | | | |
| .95 | .168 | .164 | .202 | .330 | .333 | .95 | .111 | .132 | .145 | .279 | .258 |

RUN = 508 POINT = 1

TABLE 86

WING PRESSURE COEFFICIENTS

RUN = 508 POINT = 2

| (A) ALPHA = -.86 DEGREES | | | | | | (B) ALPHA = .19 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|--------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.002 | .296 | .608 | .726 | .566 | 0.00 | 0.000 | .270 | .584 | .743 | .638 |
| .05 | .002 | -.140 | -.135 | .714 | -0.000 | .05 | .004 | -.263 | -.282 | .738 | -.123 |
| .10 | -.174 | -.153 | -.239 | -.139 | -.048 | .10 | -.221 | -.255 | -.398 | -.311 | -.155 |
| .20 | -.199 | -.199 | -.201 | -.155 | -.098 | .20 | -.238 | -.270 | -.282 | -.276 | -.167 |
| .30 | -.165 | -.231 | -.201 | -.148 | -.128 | .30 | -.204 | -.297 | -.265 | -.227 | -.188 |
| .40 | -.163 | -.199 | -.142 | -.145 | -.171 | .40 | -.200 | -.256 | -.191 | -.204 | -.213 |
| .50 | -.159 | -.163 | -.133 | -.130 | -.191 | .50 | -.202 | -.206 | -.168 | -.179 | -.235 |
| .60 | -.110 | -.116 | -.081 | -.179 | -.214 | .60 | -.148 | -.148 | -.112 | -.211 | -.249 |
| .67 | | | .023 | | | .67 | | | .002 | | |
| .70 | -.061 | -.116 | | -.181 | -.267 | .70 | -.085 | -.134 | | -.213 | -.302 |
| .80 | -.035 | | | -.284 | -.365 | .80 | -.053 | | | -.312 | -.399 |
| .84 | | | .029 | | | .84 | | | .035 | | |
| .86 | | -.083 | | | | .86 | | -.091 | | | |
| .90 | | | | -.242 | -.312 | .90 | | | | -.274 | -.295 |
| .91 | -.038 | | | | | .91 | -.044 | | | | |
| .95 | -.040 | -.093 | -.176 | -.099 | -.135 | .95 | -.044 | -.089 | -.184 | -.119 | -.112 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.095 | -.301 | -.660 | -.709 | -.870 | .05 | -.050 | -.182 | -.417 | -.562 | -.766 |
| .10 | -.155 | -.209 | -.572 | -.872 | -1.010 | .10 | -.115 | -.187 | -.421 | -.657 | -.892 |
| .20 | -.233 | -.060 | -.532 | -.784 | -.990 | .20 | -.189 | -.129 | -.414 | -.574 | -.778 |
| .30 | -.263 | -.330 | -.523 | -.709 | -.919 | .30 | -.221 | -.257 | -.424 | -.529 | -.696 |
| .40 | -.248 | -.351 | -.492 | -.670 | -.853 | .40 | -.206 | -.280 | -.386 | -.565 | -.231 |
| .50 | -.201 | -.398 | -.405 | -.599 | -.121 | .50 | -.163 | -.305 | -.365 | -.594 | -.192 |
| .60 | -.188 | -.279 | -.427 | -.155 | -.050 | .60 | -.146 | -.227 | -.394 | -.167 | -.080 |
| .67 | | | -.311 | | | .67 | | | -.305 | | |
| .70 | -.138 | -.102 | | .054 | .100 | .70 | -.095 | -.083 | | .069 | .108 |
| .80 | -.004 | | | .133 | .245 | .80 | .023 | | | .209 | .231 |
| .84 | | | -.071 | | | .84 | | | -.047 | | |
| .86 | | .073 | | | | .86 | | .098 | | | |
| .90 | | | | .204 | .300 | .90 | | | | .266 | .280 |
| .91 | .093 | | | | | .91 | .115 | | | | |
| .95 | .100 | .115 | .083 | .249 | .284 | .95 | .109 | .126 | .141 | .282 | .280 |

RUN = 508 POINT = 3

TABLE 86 CONTINUED

RUN = 508 POINT = 4

| (C) ALPHA = 1.08 DEGREES | | | | | | (D) ALPHA = 1.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.010 | .232 | .538 | .740 | .682 | 0.00 | -.031 | .190 | .485 | .731 | .715 |
| .05 | -.008 | -.374 | -.454 | .741 | -.266 | .05 | -.027 | -.469 | -.655 | .728 | -.465 |
| .10 | -.264 | -.357 | -.554 | -.530 | -.270 | .10 | -.301 | -.471 | -.685 | -.724 | -.410 |
| .20 | -.275 | -.353 | -.456 | -.418 | -.250 | .20 | -.306 | -.442 | -.549 | -.717 | -.337 |
| .30 | -.236 | -.384 | -.323 | -.316 | -.247 | .30 | -.274 | -.445 | -.530 | -.403 | -.299 |
| .40 | -.238 | -.331 | -.227 | -.247 | -.270 | .40 | -.269 | -.383 | -.235 | -.224 | -.312 |
| .50 | -.236 | -.242 | -.200 | -.227 | -.277 | .50 | -.291 | -.305 | -.210 | -.259 | -.329 |
| .60 | -.185 | -.175 | -.130 | -.243 | -.302 | .60 | -.229 | -.197 | -.140 | -.280 | -.335 |
| .67 | | | -.015 | | | .67 | | | -.024 | | |
| .70 | -.115 | -.160 | | -.245 | -.331 | .70 | -.142 | -.173 | | -.282 | -.347 |
| .80 | -.074 | | | -.328 | -.443 | .80 | -.089 | | | -.342 | -.438 |
| .84 | | | .031 | | | .84 | | | .036 | | |
| .86 | | -.100 | | | | .86 | | -.102 | | | |
| .90 | | | | -.267 | -.307 | .90 | | | | -.264 | -.297 |
| .91 | -.055 | | | | | .91 | -.061 | | | | |
| .95 | -.049 | -.084 | -.189 | -.117 | -.115 | .95 | -.054 | -.074 | -.195 | -.118 | -.112 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.017 | -.098 | -.265 | -.386 | -.603 | .05 | .009 | -.003 | -.136 | -.253 | -.335 |
| .10 | -.085 | -.128 | -.306 | -.503 | -.688 | .10 | -.052 | -.043 | -.215 | -.365 | -.525 |
| .20 | -.153 | -.124 | -.328 | -.449 | -.569 | .20 | -.123 | -.079 | -.244 | -.376 | -.394 |
| .30 | -.183 | -.198 | -.326 | -.446 | -.469 | .30 | -.146 | -.150 | -.262 | -.363 | -.313 |
| .40 | -.168 | -.234 | -.317 | -.509 | -.238 | .40 | -.137 | -.188 | -.253 | -.439 | -.253 |
| .50 | -.128 | -.253 | -.321 | -.317 | -.213 | .50 | -.101 | -.207 | -.275 | -.237 | -.196 |
| .60 | -.113 | -.200 | -.366 | -.181 | -.090 | .60 | -.086 | -.169 | -.338 | -.185 | -.088 |
| .67 | | | -.301 | | | .67 | | | -.293 | | |
| .70 | -.070 | -.069 | | .075 | .109 | .70 | -.044 | -.051 | | .074 | .101 |
| .80 | .042 | | | .231 | .243 | .80 | .066 | | | .242 | .253 |
| .84 | | | -.034 | | | .84 | | | -.035 | | |
| .86 | | .117 | | | | .86 | | .139 | | | |
| .90 | | | | .298 | .307 | .90 | | | | .306 | .315 |
| .91 | .127 | | | | | .91 | .141 | | | | |
| .95 | .117 | .140 | .182 | .293 | .305 | .95 | .132 | .145 | .176 | .308 | .309 |

RUN = 508 POINT = 5

TABLE 86 CONTINUED

RUN = 508 POINT = 6

| (E) ALPHA = 2.82 DEGREES | | | | | | (F) ALPHA = 3.33 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.055 | .107 | .430 | .711 | .731 | 0.00 | -.067 | .064 | .395 | .684 | .726 |
| .05 | -.051 | -.615 | -.905 | .707 | -.727 | .05 | -.063 | -.723 | -1.006 | .684 | -.786 |
| .10 | -.358 | -.568 | -.848 | -.818 | -.750 | .10 | -.404 | -.627 | -.955 | -.886 | -.824 |
| .20 | -.345 | -.513 | -.691 | -.871 | -.611 | .20 | -.382 | -.544 | -.821 | -.933 | -.758 |
| .30 | -.300 | -.519 | -.694 | -.759 | -.197 | .30 | -.325 | -.564 | -.711 | -.870 | -.662 |
| .40 | -.302 | -.510 | -.412 | -.692 | -.321 | .40 | -.331 | -.537 | -.535 | -.792 | -.167 |
| .50 | -.334 | -.397 | -.219 | -.157 | -.376 | .50 | -.359 | -.443 | -.248 | -.275 | -.310 |
| .60 | -.277 | -.238 | -.138 | -.261 | -.389 | .60 | -.306 | -.278 | -.138 | -.226 | -.340 |
| .67 | | | -.025 | | | .67 | | | -.024 | | |
| .70 | -.189 | -.183 | | -.263 | -.405 | .70 | -.221 | -.195 | | -.222 | -.390 |
| .80 | -.115 | | | -.359 | -.455 | .80 | -.134 | | | -.338 | -.468 |
| .84 | | | .037 | | | .84 | | | .030 | | |
| .86 | | -.096 | | | | .86 | | -.096 | | | |
| .90 | | | | -.290 | -.243 | .90 | | | | -.296 | -.272 |
| .91 | -.068 | | | | | .91 | -.082 | | | | |
| .95 | -.055 | -.058 | -.185 | -.124 | -.091 | .95 | -.065 | -.051 | -.174 | -.130 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .034 | .069 | -.022 | -.128 | -.163 | .05 | .047 | .116 | .041 | -.073 | -.102 |
| .10 | -.023 | .037 | -.106 | -.249 | -.321 | .10 | -.005 | .084 | -.067 | -.181 | -.228 |
| .20 | -.091 | -.014 | -.177 | -.270 | -.281 | .20 | -.072 | .036 | -.143 | -.235 | -.239 |
| .30 | -.113 | -.104 | -.196 | -.303 | -.252 | .30 | -.099 | -.079 | -.188 | -.271 | -.207 |
| .40 | -.106 | -.147 | -.207 | -.346 | -.204 | .40 | -.089 | -.117 | -.184 | -.298 | -.180 |
| .50 | -.066 | -.168 | -.232 | -.232 | -.165 | .50 | -.052 | -.148 | -.211 | -.211 | -.148 |
| .60 | -.055 | -.143 | -.297 | -.172 | -.069 | .60 | -.035 | -.123 | -.278 | -.162 | -.058 |
| .67 | | | -.279 | | | .67 | | | -.267 | | |
| .70 | -.017 | -.033 | | .089 | .119 | .70 | -.007 | -.020 | | .092 | .122 |
| .80 | .087 | | | .258 | .272 | .80 | .094 | | | .267 | .274 |
| .84 | | | -.013 | | | .84 | | | -.005 | | |
| .86 | | .151 | | | | .86 | | .160 | | | |
| .90 | | | | .325 | .329 | .90 | | | | .332 | .337 |
| .91 | .158 | | | | | .91 | .163 | | | | |
| .95 | .141 | .155 | .194 | .316 | .316 | .95 | .145 | .151 | .203 | .323 | .320 |

RUN = 508 POINT = 7

TABLE 96 CONTINUED

RUN = 508 POINT = 8

| (G) ALPHA = 3.84 DEGREES | | | | | | (H) ALPHA = 4.89 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.089 | .027 | .342 | .667 | .733 | 0.00 | -.125 | -.073 | .270 | .628 | .721 |
| .05 | -.087 | -.914 | -1.061 | .671 | -.833 | .05 | -.123 | -1.052 | -1.182 | .625 | -.933 |
| .10 | -.422 | -.733 | -1.069 | -.933 | -.879 | .10 | -.511 | -.952 | -1.216 | -1.036 | -.991 |
| .20 | -.394 | -.590 | -.921 | -.987 | -.861 | .20 | -.457 | -.651 | -1.148 | -1.071 | -.960 |
| .30 | -.347 | -.610 | -.761 | -.964 | -.806 | .30 | -.381 | -.661 | -.886 | -1.036 | -.933 |
| .40 | -.347 | -.600 | -.627 | -.876 | -.732 | .40 | -.387 | -.671 | -.725 | -1.029 | -.904 |
| .50 | -.386 | -.504 | -.362 | -.766 | -.192 | .50 | -.410 | -.599 | -.652 | -.984 | -.842 |
| .60 | -.341 | -.345 | -.145 | -.193 | -.268 | .60 | -.412 | -.512 | -.203 | -.529 | -.782 |
| .67 | | | -.027 | | | .67 | | | -.061 | | |
| .70 | -.254 | -.213 | | -.185 | -.325 | .70 | -.331 | -.288 | | -.330 | -.182 |
| .80 | -.170 | | | -.313 | -.419 | .80 | -.219 | | | -.257 | -.258 |
| .84 | | | .037 | | | .84 | | | .028 | | |
| .86 | | -.098 | | | | .86 | | -.095 | | | |
| .90 | | | | -.268 | -.277 | .90 | | | | -.194 | -.208 |
| .91 | -.094 | | | | | .91 | -.125 | | | | |
| .95 | -.068 | -.041 | -.162 | -.124 | -.112 | .95 | -.099 | -.030 | -.148 | -.087 | -.086 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .060 | .155 | .117 | -.020 | -.032 | .05 | .080 | .222 | .202 | .075 | .063 |
| .10 | .010 | .128 | -.020 | -.133 | -.188 | .10 | .044 | .186 | .060 | -.043 | -.086 |
| .20 | -.049 | .094 | -.115 | -.196 | -.185 | .20 | -.009 | .144 | -.037 | -.118 | -.114 |
| .30 | -.072 | -.050 | -.157 | -.236 | -.174 | .30 | -.031 | -0.000 | -.095 | -.163 | -.111 |
| .40 | -.072 | -.094 | -.167 | -.240 | -.154 | .40 | -.026 | -.053 | -.141 | -.194 | -.109 |
| .50 | -.031 | -.121 | -.187 | -.191 | -.122 | .50 | .001 | -.083 | -.150 | -.156 | -.093 |
| .60 | -.023 | -.111 | -.254 | -.140 | -.041 | .60 | .005 | -.080 | -.226 | -.120 | -.019 |
| .67 | | | -.252 | | | .67 | | | -.240 | | |
| .70 | .008 | -.014 | | .104 | .134 | .70 | .033 | .009 | | .114 | .148 |
| .80 | .107 | | | .274 | .284 | .80 | .129 | | | .289 | .299 |
| .84 | | | .007 | | | .84 | | | .019 | | |
| .86 | | .170 | | | | .86 | | .182 | | | |
| .90 | | | | .334 | .343 | .90 | | | | .350 | .361 |
| .91 | .171 | | | | | .91 | .185 | | | | |
| .95 | .152 | .161 | .208 | .322 | .332 | .95 | .159 | .154 | .216 | .333 | .342 |

RUN = 508 POINT = 9

TABLE 86 CONTINUED

RUN = 508 POINT = 10

| (I) ALPHA = 6.02 DEGREES | | | | | | (J) ALPHA = 7.04 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.183 | -.163 | .179 | .570 | .695 | 0.00 | -.235 | -.263 | .098 | .509 | .661 |
| .05 | -.181 | -1.241 | -1.290 | .570 | -1.027 | .05 | -.235 | -1.294 | -1.378 | .516 | -1.121 |
| .10 | -.572 | -1.171 | -1.332 | -1.125 | -1.081 | .10 | -.642 | -1.264 | -1.385 | -1.205 | -1.158 |
| .20 | -.502 | -.749 | -1.258 | -1.145 | -1.054 | .20 | -.555 | -.948 | -1.342 | -1.229 | -1.131 |
| .30 | -.410 | -.712 | -1.200 | -1.145 | -1.031 | .30 | -.438 | -.812 | -1.293 | -1.193 | -1.078 |
| .40 | -.423 | -.727 | -.729 | -1.131 | -1.010 | .40 | -.453 | -.756 | -1.027 | -1.160 | -1.027 |
| .50 | -.453 | -.665 | -.737 | -1.089 | -.967 | .50 | -.493 | -.712 | -.754 | -1.119 | -.844 |
| .60 | -.460 | -.616 | -.370 | -.828 | -.921 | .60 | -.495 | -.690 | -.458 | -.651 | -.505 |
| .67 | | | -.149 | | | .67 | | | -.328 | | |
| .70 | -.421 | -.387 | | -.696 | -.454 | .70 | -.484 | -.528 | | -.567 | -.340 |
| .80 | -.310 | | | -.328 | -.221 | .80 | -.386 | | | -.371 | -.262 |
| .84 | | | .027 | | | .84 | | | .023 | | |
| .86 | | -.108 | | | | .86 | | -.115 | | | |
| .90 | | | | -.188 | -.123 | .90 | | | | -.302 | -.197 |
| .91 | -.174 | | | | | .91 | -.207 | | | | |
| .95 | -.151 | -.047 | -.123 | -.067 | -.066 | .95 | -.179 | -.059 | -.073 | -.216 | -.176 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .094 | .269 | .296 | .158 | .153 | .05 | .105 | .320 | .374 | .219 | .226 |
| .10 | .071 | .246 | .136 | .045 | .005 | .10 | .104 | .299 | .208 | .126 | .064 |
| .20 | .023 | .197 | .014 | -.053 | -.049 | .20 | .060 | .252 | .079 | .006 | -.011 |
| .30 | .004 | .044 | -.048 | -.109 | -.072 | .30 | .045 | .092 | 0.000 | -.060 | -.047 |
| .40 | .011 | -.012 | -.098 | -.127 | -.082 | .40 | .044 | .033 | -.045 | -.092 | -.076 |
| .50 | .030 | -.049 | -.121 | -.130 | -.081 | .50 | .068 | -.006 | -.079 | -.113 | -.087 |
| .60 | .034 | -.047 | -.193 | -.100 | -.019 | .60 | .066 | -.018 | -.162 | -.112 | -.045 |
| .67 | | | -.231 | | | .67 | | | -.214 | | |
| .70 | .060 | .032 | | .114 | .132 | .70 | .079 | .046 | | .092 | .099 |
| .80 | .139 | | | .282 | .289 | .80 | .162 | | | .264 | .261 |
| .84 | | | -.006 | | | .84 | | | .023 | | |
| .86 | | .189 | | | | .86 | | .197 | | | |
| .90 | | | | .337 | .342 | .90 | | | | .317 | .307 |
| .91 | .195 | | | | | .91 | .208 | | | | |
| .95 | .167 | .153 | .186 | .332 | .325 | .95 | .175 | .159 | .203 | .291 | .284 |

RUN = 508 POINT = 11

TABLE 86 CONCLUDED

| (K) ALPHA = .17 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .276 | .583 | .749 | .630 |
| .05 | .001 | -.264 | -.281 | .738 | -.118 |
| .10 | -.215 | -.253 | -.375 | -.303 | -.154 |
| .20 | -.238 | -.270 | -.278 | -.260 | -.178 |
| .30 | -.198 | -.300 | -.264 | -.235 | -.185 |
| .40 | -.202 | -.244 | -.187 | -.208 | -.217 |
| .50 | -.197 | -.206 | -.163 | -.174 | -.237 |
| .60 | -.146 | -.146 | -.112 | -.210 | -.246 |
| .67 | | | -.002 | | |
| .70 | -.088 | -.135 | | -.213 | -.300 |
| .80 | -.052 | | | -.312 | -.403 |
| .84 | | | .031 | | |
| .86 | | -.087 | | | |
| .90 | | | | -.258 | -.292 |
| .91 | -.043 | | | | |
| .95 | -.043 | -.087 | -.178 | -.116 | -.108 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.049 | -.191 | -.411 | -.567 | -.762 |
| .10 | -.118 | -.026 | -.421 | -.671 | -.883 |
| .20 | -.187 | .098 | -.414 | -.583 | -.796 |
| .30 | -.217 | -.255 | -.425 | -.526 | -.697 |
| .40 | -.204 | -.285 | -.375 | -.563 | -.247 |
| .50 | -.159 | -.306 | -.357 | -.574 | -.194 |
| .60 | -.144 | -.225 | -.391 | -.161 | -.083 |
| .67 | | | -.271 | | |
| .70 | -.101 | -.082 | | .071 | .104 |
| .80 | .023 | | | .210 | .231 |
| .84 | | | .010 | | |
| .86 | | .104 | | | |
| .90 | | | | .269 | .285 |
| .91 | .113 | | | | |
| .95 | .111 | .132 | .147 | .278 | .282 |

RUN = 507 POINT = 1

TABLE 87

WING PRESSURE COEFFICIENTS

RUN = 507 POINT = 2

| (A) ALPHA = -.84 DEGREES | | | | | | (B) ALPHA = .15 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .002 | .299 | .618 | .730 | .592 | 0.00 | .003 | .278 | .585 | .750 | .645 |
| .05 | .008 | -.140 | -.138 | .726 | -.011 | .05 | .007 | -.252 | -.268 | .750 | -.117 |
| .10 | -.175 | -.160 | -.235 | -.111 | -.058 | .10 | -.219 | -.252 | -.382 | -.310 | -.161 |
| .20 | -.199 | -.196 | -.200 | -.156 | -.098 | .20 | -.241 | -.269 | -.361 | -.256 | -.180 |
| .30 | -.168 | -.231 | -.213 | -.154 | -.126 | .30 | -.206 | -.281 | -.303 | -.223 | -.187 |
| .40 | -.164 | -.194 | -.144 | -.145 | -.170 | .40 | -.198 | -.260 | -.184 | -.212 | -.224 |
| .50 | -.160 | -.162 | -.140 | -.136 | -.184 | .50 | -.202 | -.204 | -.173 | -.182 | -.243 |
| .60 | -.110 | -.116 | -.084 | -.183 | -.212 | .60 | -.148 | -.150 | -.115 | -.214 | -.268 |
| .67 | | | .018 | | | .67 | | | .001 | | |
| .70 | -.052 | -.118 | | -.181 | -.269 | .70 | -.085 | -.141 | | -.210 | -.299 |
| .80 | -.036 | | | -.297 | -.386 | .80 | -.051 | | | -.324 | -.429 |
| .84 | | | .032 | | | .84 | | | .034 | | |
| .86 | | -.082 | | | | .86 | | -.091 | | | |
| .90 | | | | -.238 | -.300 | .90 | | | | -.244 | -.306 |
| .91 | -.037 | | | | | .91 | -.048 | | | | |
| .95 | -.037 | -.091 | -.183 | -.086 | -.105 | .95 | -.046 | -.087 | -.189 | -.094 | -.104 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.088 | -.293 | -.628 | -.674 | -.804 | .05 | -.042 | -.204 | -.424 | -.557 | -.708 |
| .10 | -.153 | -.207 | -.562 | -.840 | -.929 | .10 | -.118 | -.206 | -.422 | -.652 | -.838 |
| .20 | -.226 | -.071 | -.535 | -.763 | -.936 | .20 | -.195 | -.145 | -.411 | -.607 | -.799 |
| .30 | -.266 | -.343 | -.510 | -.706 | -.895 | .30 | -.228 | -.266 | -.436 | -.570 | -.747 |
| .40 | -.248 | -.360 | -.507 | -.704 | -.871 | .40 | -.213 | -.292 | -.431 | -.604 | -.692 |
| .50 | -.198 | -.426 | -.557 | -.751 | -.460 | .50 | -.161 | -.352 | -.374 | -.588 | -.182 |
| .60 | -.185 | -.325 | -.421 | -.165 | -.081 | .60 | -.152 | -.251 | -.402 | -.159 | -.052 |
| .67 | | | -.330 | | | .67 | | | -.331 | | |
| .70 | -.149 | -.108 | | .013 | .082 | .70 | -.105 | -.092 | | .071 | .116 |
| .80 | -.015 | | | .055 | .210 | .80 | .014 | | | .165 | .254 |
| .84 | | | -.070 | | | .84 | | | -.064 | | |
| .86 | | .062 | | | | .86 | | .089 | | | |
| .90 | | | | .210 | .276 | .90 | | | | .232 | .326 |
| .91 | .090 | | | | | .91 | .109 | | | | |
| .95 | .093 | .107 | .104 | .281 | .255 | .95 | .107 | .125 | .158 | .263 | .322 |

RUN = 507 POINT = 3

TABLE 97 CONTINUED

RUN = 507 POINT = 4

| (C) ALPHA = 1.04 DEGREES | | | | | | (D) ALPHA = 1.87 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.013 | .229 | .553 | .745 | .689 | 0.00 | -.029 | .193 | .505 | .738 | .719 |
| .05 | -.008 | -.355 | -.444 | .745 | -.267 | .05 | -.027 | -.452 | -.626 | .733 | -.526 |
| .10 | -.259 | -.342 | -.509 | -.519 | -.261 | .10 | -.309 | -.433 | -.665 | -.661 | -.451 |
| .20 | -.270 | -.359 | -.460 | -.455 | -.246 | .20 | -.315 | -.424 | -.544 | -.661 | -.296 |
| .30 | -.235 | -.382 | -.442 | -.257 | -.247 | .30 | -.264 | -.464 | -.589 | -.442 | -.284 |
| .40 | -.240 | -.337 | -.188 | -.239 | -.274 | .40 | -.266 | -.429 | -.326 | -.216 | -.302 |
| .50 | -.246 | -.255 | -.199 | -.227 | -.270 | .50 | -.292 | -.341 | -.196 | -.184 | -.347 |
| .60 | -.188 | -.171 | -.134 | -.245 | -.298 | .60 | -.244 | -.205 | -.129 | -.268 | -.363 |
| .67 | | | -.013 | | | .67 | | | -.013 | | |
| .70 | -.121 | -.158 | | -.241 | -.328 | .70 | -.151 | -.170 | | -.263 | -.379 |
| .80 | -.069 | | | -.350 | -.453 | .80 | -.092 | | | -.383 | -.465 |
| .84 | | | .032 | | | .84 | | | .041 | | |
| .86 | | -.095 | | | | .86 | | -.092 | | | |
| .90 | | | | -.273 | -.298 | .90 | | | | -.312 | -.253 |
| .91 | -.054 | | | | | .91 | -.058 | | | | -.253 |
| .95 | -.049 | -.082 | -.196 | -.092 | -.100 | .95 | -.051 | -.071 | -.192 | -.110 | -.081 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.021 | -.086 | -.250 | -.405 | -.589 | .05 | .007 | -.009 | -.117 | -.271 | -.349 |
| .10 | -.086 | -.121 | -.309 | -.508 | -.686 | .10 | -.054 | -.043 | -.206 | -.383 | -.529 |
| .20 | -.156 | -.127 | -.337 | -.465 | -.624 | .20 | -.127 | -.079 | -.268 | -.375 | -.465 |
| .30 | -.190 | -.198 | -.343 | -.465 | -.552 | .30 | -.153 | -.155 | -.286 | -.385 | -.416 |
| .40 | -.171 | -.233 | -.344 | -.524 | -.530 | .40 | -.144 | -.192 | -.280 | -.456 | -.228 |
| .50 | -.136 | -.280 | -.328 | -.561 | -.172 | .50 | -.101 | -.220 | -.295 | -.506 | -.174 |
| .60 | -.114 | -.222 | -.369 | -.142 | -.075 | .60 | -.086 | -.185 | -.353 | -.146 | -.079 |
| .67 | | | -.319 | | | .67 | | | -.314 | | |
| .70 | -.078 | -.075 | | .087 | .114 | .70 | -.047 | -.056 | | .094 | .110 |
| .80 | .041 | | | .204 | .255 | .80 | .061 | | | .235 | .256 |
| .84 | | | -.054 | | | .84 | | | -.037 | | |
| .86 | | .113 | | | | .86 | | .129 | | | |
| .90 | | | | .272 | .328 | .90 | | | | .299 | .324 |
| .91 | .127 | | | | | .91 | .146 | | | | |
| .95 | .121 | .130 | .175 | .281 | .326 | .95 | .131 | .144 | .185 | .303 | .315 |

| (E) ALPHA = 2.87 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.051 | .117 | .443 | .717 | .732 | 0.00 | -.064 | .074 | .397 | .697 | .730 |
| .05 | -.049 | -.628 | -.877 | .715 | -.662 | .05 | -.064 | -.735 | -.965 | .688 | -.742 |
| .10 | -.376 | -.562 | -.808 | -.742 | -.727 | .10 | -.411 | -.644 | -.935 | -.815 | -.785 |
| .20 | -.350 | -.478 | -.708 | -.817 | -.671 | .20 | -.384 | -.532 | -.810 | -.886 | -.766 |
| .30 | -.311 | -.533 | -.682 | -.806 | -.598 | .30 | -.332 | -.563 | -.717 | -.853 | -.736 |
| .40 | -.307 | -.531 | -.533 | -.737 | -.135 | .40 | -.332 | -.568 | -.611 | -.837 | -.673 |
| .50 | -.342 | -.443 | -.406 | -.513 | -.242 | .50 | -.356 | -.490 | -.526 | -.686 | -.609 |
| .60 | -.307 | -.313 | -.146 | -.192 | -.298 | .60 | -.337 | -.382 | -.200 | -.213 | -.183 |
| .67 | | | -.013 | | | .67 | | | -.028 | | |
| .70 | -.207 | -.205 | | -.192 | -.370 | .70 | -.252 | -.252 | | -.187 | -.285 |
| .80 | -.136 | | | -.341 | -.507 | .80 | -.170 | | | -.306 | -.455 |
| .84 | | | .035 | | | .84 | | | .035 | | |
| .86 | | -.092 | | | | .86 | | -.099 | | | |
| .90 | | | | -.275 | -.275 | .90 | | | | -.272 | -.292 |
| .91 | -.077 | | | | | .91 | -.096 | | | | |
| .95 | -.062 | -.054 | -.179 | -.128 | -.090 | .95 | -.075 | -.042 | -.170 | -.126 | -.103 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .063 | .001 | -.131 | -.190 | .05 | .048 | .123 | .057 | -.085 | -.115 |
| .10 | -.025 | .026 | -.112 | -.248 | -.381 | .10 | -.005 | .087 | -.064 | -.197 | -.264 |
| .20 | -.088 | -.022 | -.179 | -.291 | -.325 | .20 | -.070 | .036 | -.140 | -.242 | -.255 |
| .30 | -.110 | -.099 | -.213 | -.309 | -.258 | .30 | -.096 | -.079 | -.187 | -.275 | -.223 |
| .40 | -.106 | -.147 | -.222 | -.401 | -.207 | .40 | -.088 | -.116 | -.183 | -.354 | -.187 |
| .50 | -.064 | -.174 | -.245 | -.183 | -.163 | .50 | -.049 | -.148 | -.220 | -.208 | -.143 |
| .60 | -.054 | -.142 | -.316 | -.160 | -.064 | .60 | -.036 | -.129 | -.300 | -.153 | -.052 |
| .67 | | | -.305 | | | .67 | | | -.293 | | |
| .70 | -.023 | -.037 | | .090 | .116 | .70 | -.007 | -.025 | | .100 | .128 |
| .80 | .083 | | | .259 | .275 | .80 | .094 | | | .272 | .285 |
| .84 | | | -.026 | | | .84 | | | -.013 | | |
| .86 | | .152 | | | | .86 | | .155 | | | |
| .90 | | | | .327 | .339 | .90 | | | | .332 | .351 |
| .91 | .156 | | | | | .91 | .163 | | | | |
| .95 | .143 | .153 | .201 | .320 | .325 | .95 | .146 | .151 | .195 | .330 | .333 |

RUN = 507 POINT = 7

TABLE 97 CONTINUED

RUN = 507 POINT = 8

| (G) ALPHA = 3.89 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.082 | .039 | .368 | .681 | .730 | 0.00 | -.126 | -.035 | .298 | .645 | .725 |
| .05 | -.080 | -.828 | -1.016 | .686 | -.778 | .05 | -.124 | -1.008 | -1.127 | .640 | -.851 |
| .10 | -.438 | -.713 | -1.051 | -.855 | -.821 | .10 | -.491 | -.919 | -1.156 | -.938 | -.912 |
| .20 | -.414 | -.570 | -.917 | -.910 | -.802 | .20 | -.455 | -.639 | -1.078 | -.997 | -.889 |
| .30 | -.340 | -.584 | -.744 | -.898 | -.795 | .30 | -.355 | -.638 | -.874 | -.990 | -.875 |
| .40 | -.344 | -.597 | -.653 | -.898 | -.779 | .40 | -.374 | -.655 | -.701 | -.975 | -.872 |
| .50 | -.372 | -.527 | -.607 | -.857 | -.722 | .50 | -.400 | -.586 | -.672 | -.945 | -.879 |
| .60 | -.355 | -.456 | -.274 | -.392 | -.611 | .60 | -.396 | -.543 | -.579 | -.864 | -.859 |
| .67 | | | -.065 | | | .67 | | | -.148 | | |
| .70 | -.294 | -.324 | | -.243 | -.205 | .70 | -.359 | -.449 | | -.825 | -.809 |
| .80 | -.205 | | | -.289 | -.344 | .80 | -.272 | | | -.254 | -.494 |
| .84 | | | .031 | | | .84 | | | .030 | | |
| .86 | | -.101 | | | | .86 | | -.113 | | | |
| .90 | | | | -.238 | -.267 | .90 | | | | -.197 | -.138 |
| .91 | -.114 | | | | | .91 | -.164 | | | | |
| .95 | -.088 | -.037 | -.164 | -.117 | -.097 | .95 | -.131 | -.042 | -.159 | -.077 | -.054 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .056 | .157 | .094 | -.041 | -.060 | .05 | .082 | .220 | .204 | .049 | .037 |
| .10 | .011 | .127 | -.021 | -.149 | -.200 | .10 | .044 | .190 | .049 | -.064 | -.106 |
| .20 | -.052 | .084 | -.108 | -.207 | -.205 | .20 | -.016 | .141 | -.049 | -.142 | -.129 |
| .30 | -.078 | -.056 | -.154 | -.248 | -.195 | .30 | -.039 | -.001 | -.107 | -.192 | -.131 |
| .40 | -.069 | -.099 | -.174 | -.316 | -.162 | .40 | -.033 | -.055 | -.144 | -.219 | -.119 |
| .50 | -.034 | -.129 | -.197 | -.202 | -.134 | .50 | -0.000 | -.085 | -.162 | -.173 | -.105 |
| .60 | -.021 | -.117 | -.278 | -.146 | -.038 | .60 | .008 | -.079 | -.245 | -.119 | -.019 |
| .67 | | | -.282 | | | .67 | | | -.268 | | |
| .70 | .009 | -.018 | | .102 | .142 | .70 | .036 | -.001 | | .112 | .152 |
| .80 | .104 | | | .278 | .295 | .80 | .127 | | | .285 | .303 |
| .84 | | | .001 | | | .84 | | | .005 | | |
| .86 | | .161 | | | | .86 | | .171 | | | |
| .90 | | | | .342 | .354 | .90 | | | | .353 | .365 |
| .91 | .172 | | | | | .91 | .184 | | | | |
| .95 | .144 | .150 | .209 | .335 | .349 | .95 | .152 | .147 | .210 | .341 | .350 |

| (I) ALPHA = 6.04 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.173 | -.132 | .211 | .593 | .705 | 0.00 | -.274 | -.306 | .052 | .490 | .648 |
| .05 | -.173 | -1.185 | -1.219 | .595 | -.946 | .05 | -.272 | -1.277 | -1.363 | .479 | -1.106 |
| .10 | -.573 | -1.117 | -1.256 | -1.044 | -1.002 | .10 | -.693 | -1.260 | -1.340 | -1.183 | -1.146 |
| .20 | -.503 | -.720 | -1.210 | -1.080 | -.976 | .20 | -.582 | -1.134 | -1.324 | -1.206 | -1.113 |
| .30 | -.408 | -.693 | -1.161 | -1.071 | -.971 | .30 | -.471 | -1.043 | -1.266 | -1.155 | -1.042 |
| .40 | -.408 | -.697 | -.818 | -1.064 | -.953 | .40 | -.465 | -.910 | -1.071 | -1.142 | -1.003 |
| .50 | -.440 | -.645 | -.721 | -1.044 | -.952 | .50 | -.502 | -.752 | -.910 | -1.057 | -.738 |
| .60 | -.444 | -.630 | -.693 | -.971 | -.901 | .60 | -.508 | -.694 | -.702 | -.655 | -.498 |
| .67 | | | -.294 | | | .67 | | | -.535 | | |
| .70 | -.418 | -.548 | | -.970 | -.848 | .70 | -.508 | -.638 | | -.620 | -.390 |
| .80 | -.355 | | | -.500 | -.481 | .80 | -.456 | | | -.444 | -.338 |
| .84 | | | .026 | | | .84 | | | .019 | | |
| .86 | | -.143 | | | | .86 | | -.191 | | | |
| .90 | | | | -.283 | -.167 | .90 | | | | -.386 | -.310 |
| .91 | -.245 | | | | | .91 | -.358 | | | | |
| .95 | -.193 | -.065 | -.156 | -.092 | -.099 | .95 | -.291 | -.113 | -.180 | -.340 | -.287 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .273 | .288 | .142 | .135 | .05 | .119 | .351 | .407 | .273 | .264 |
| .10 | .070 | .245 | .131 | .029 | -.027 | .10 | .113 | .315 | .253 | .142 | .099 |
| .20 | .021 | .198 | .013 | -.072 | -.078 | .20 | .086 | .259 | .114 | .033 | .002 |
| .30 | .004 | .046 | -.055 | -.131 | -.092 | .30 | .071 | .118 | .031 | -.053 | -.039 |
| .40 | .008 | -.013 | -.101 | -.165 | -.102 | .40 | .073 | .054 | -.019 | -.095 | -.086 |
| .50 | .037 | -.048 | -.122 | -.147 | -.093 | .50 | .091 | .009 | -.072 | -.134 | -.105 |
| .60 | .035 | -.056 | -.209 | -.113 | -.032 | .60 | .086 | -.005 | -.162 | -.139 | -.077 |
| .67 | | | -.253 | | | .67 | | | -.233 | | |
| .70 | .052 | .016 | | .107 | .126 | .70 | .095 | .047 | | .068 | .071 |
| .80 | .141 | | | .286 | .276 | .80 | .172 | | | .246 | .233 |
| .84 | | | .001 | | | .84 | | | .019 | | |
| .86 | | .180 | | | | .86 | | .191 | | | |
| .90 | | | | .345 | .333 | .90 | | | | .297 | .285 |
| .91 | .192 | | | | | .91 | .206 | | | | |
| .95 | .159 | .142 | .219 | .328 | .311 | .95 | .169 | .141 | .190 | .267 | .250 |

RUN = 507 POINT = 11

TABLE 87 CONTINUED

RUN = 507 POINT = 12

| (K) ALPHA = 9.84 DEGREES | | | | | | (L) ALPHA = 11.76 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.390 | -.472 | -.080 | .388 | .602 | 0.00 | -.526 | -.652 | -.262 | .265 | .539 |
| .05 | -.389 | -1.283 | -1.034 | .393 | -1.200 | .05 | -.522 | -1.302 | -1.097 | .267 | -.613 |
| .10 | -.880 | -1.291 | -1.047 | -.756 | -1.132 | .10 | -1.047 | -1.304 | -1.047 | -.681 | -.582 |
| .20 | -.594 | -1.256 | -.989 | -.689 | -1.144 | .20 | -.644 | -1.304 | -.962 | -.672 | -.566 |
| .30 | -.509 | -1.251 | -.899 | -.657 | -1.055 | .30 | -.510 | -1.371 | -.866 | -.663 | -.559 |
| .40 | -.509 | -1.151 | -.789 | -.657 | -.839 | .40 | -.517 | -1.333 | -.829 | -.667 | -.536 |
| .50 | -.546 | -.973 | -.747 | -.627 | -.689 | .50 | -.561 | -.984 | -.792 | -.656 | -.519 |
| .60 | -.553 | -.819 | -.704 | -.569 | -.616 | .60 | -.580 | -.853 | -.764 | -.633 | -.507 |
| .67 | | | -.682 | | | .67 | | | -.740 | | |
| .70 | -.477 | -.708 | | -.560 | -.560 | .70 | -.487 | -.803 | | -.630 | -.495 |
| .80 | -.294 | | | -.489 | -.504 | .80 | -.194 | | | -.605 | -.491 |
| .84 | | | .020 | | | .84 | | | .012 | | |
| .86 | | -.497 | | | | .86 | | -.679 | | | |
| .90 | | | | -.479 | -.428 | .90 | | | | -.587 | -.482 |
| .91 | -.370 | | | | | .91 | -.362 | | | | |
| .95 | -.341 | -.428 | -.573 | -.445 | -.391 | .95 | -.351 | -.616 | -.716 | -.559 | -.458 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .122 | .396 | .484 | .345 | .337 | .05 | .121 | .431 | .559 | .427 | .425 |
| .10 | .155 | .370 | .331 | .238 | .171 | .10 | .176 | .406 | .411 | .323 | .246 |
| .20 | .146 | .323 | .189 | .094 | .060 | .20 | .194 | .363 | .258 | .172 | .116 |
| .30 | .131 | .179 | .092 | -.011 | -.012 | .30 | .189 | .229 | .162 | .060 | .045 |
| .40 | .127 | .109 | .031 | -.063 | -.067 | .40 | .180 | .165 | .091 | -.010 | -.026 |
| .50 | .133 | .054 | -.037 | -.138 | -.100 | .50 | .183 | .111 | .009 | -.096 | -.075 |
| .60 | .127 | .022 | -.150 | -.161 | -.076 | .60 | .169 | .064 | -.112 | -.134 | -.075 |
| .67 | | | -.212 | | | .67 | | | -.183 | | |
| .70 | .125 | .065 | | .036 | .062 | .70 | .161 | .088 | | .044 | .049 |
| .80 | .183 | | | .223 | .230 | .80 | .209 | | | .222 | .220 |
| .84 | | | .038 | | | .84 | | | .023 | | |
| .86 | | .179 | | | | .86 | | .187 | | | |
| .90 | | | | .284 | .287 | .90 | | | | .277 | .260 |
| .91 | .214 | | | | | .91 | .228 | | | | |
| .95 | .168 | .093 | .159 | .239 | .245 | .95 | .172 | .079 | .151 | .231 | .220 |

RUN = 507 POINT = 13

TABLE 87 CONCLUDED

| | (M) ALPHA = .19 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .270 | .591 | .745 | .651 |
| .05 | 0.000 | -.254 | -.271 | .745 | -.127 |
| .10 | -.217 | -.252 | -.406 | -.327 | -.162 |
| .20 | -.237 | -.259 | -.339 | -.260 | -.174 |
| .30 | -.206 | -.300 | -.296 | -.235 | -.191 |
| .40 | -.200 | -.269 | -.182 | -.210 | -.221 |
| .50 | -.200 | -.206 | -.190 | -.172 | -.236 |
| .60 | -.152 | -.150 | -.112 | -.210 | -.256 |
| .67 | | | -0.000 | | |
| .70 | -.087 | -.145 | | -.212 | -.297 |
| .80 | -.052 | | | -.325 | -.426 |
| .84 | | | .035 | | |
| .86 | | -.091 | | | |
| .90 | | | | -.258 | -.308 |
| .91 | -.049 | | | | |
| .95 | -.045 | -.087 | -.193 | -.113 | -.099 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.051 | -.184 | -.406 | -.572 | -.715 |
| .10 | -.115 | .009 | -.415 | -.652 | -.837 |
| .20 | -.193 | .164 | -.415 | -.594 | -.788 |
| .30 | -.230 | -.259 | -.431 | -.576 | -.751 |
| .40 | -.209 | -.285 | -.415 | -.601 | -.671 |
| .50 | -.167 | -.341 | -.369 | -.586 | -.200 |
| .60 | -.150 | -.252 | -.394 | -.158 | -.054 |
| .67 | | | -.262 | | |
| .70 | -.108 | -.087 | | .073 | .115 |
| .80 | .015 | | | .173 | .248 |
| .84 | | | -.010 | | |
| .86 | | .091 | | | |
| .90 | | | | .237 | .322 |
| .91 | .112 | | | | |
| .95 | .107 | .126 | .133 | .267 | .314 |

RUN = 506 POINT = 1

TABLE 88

WING PRESSURE COEFFICIENTS

RUN = 506 POINT = 2

| (A) ALPHA = -86 DEGREES | | | | | | (B) ALPHA = .15 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .013 | .302 | .624 | .736 | .611 | 0.00 | .008 | .280 | .596 | .758 | .677 |
| .05 | .016 | -.142 | -.126 | .736 | -.011 | .05 | .010 | -.252 | -.267 | .762 | -.149 |
| .10 | -.173 | -.160 | -.231 | -.116 | -.060 | .10 | -.211 | -.237 | -.380 | -.310 | -.166 |
| .20 | -.194 | -.198 | -.209 | -.164 | -.100 | .20 | -.234 | -.278 | -.380 | -.292 | -.180 |
| .30 | -.166 | -.222 | -.220 | -.160 | -.135 | .30 | -.208 | -.315 | -.288 | -.262 | -.182 |
| .40 | -.160 | -.209 | -.140 | -.157 | -.167 | .40 | -.200 | -.286 | -.164 | -.213 | -.225 |
| .50 | -.160 | -.166 | -.142 | -.136 | -.195 | .50 | -.206 | -.201 | -.201 | -.162 | -.236 |
| .60 | -.109 | -.118 | -.087 | -.178 | -.228 | .60 | -.154 | -.142 | -.110 | -.209 | -.267 |
| .67 | | | .016 | | | .67 | | | .009 | | |
| .70 | -.057 | -.116 | | -.180 | -.271 | .70 | -.084 | -.144 | | -.213 | -.307 |
| .80 | -.031 | | | -.320 | -.399 | .80 | -.044 | | | -.348 | -.449 |
| .84 | | | .035 | | | .84 | | | .044 | | |
| .86 | | -.083 | | | | .86 | | -.083 | | | |
| .90 | | | | -.217 | -.327 | .90 | | | | -.243 | -.291 |
| .91 | -.038 | | | | | .91 | -.042 | | | | |
| .95 | -.042 | -.096 | -.194 | -.066 | -.074 | .95 | -.042 | -.088 | -.203 | -.074 | -.088 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.085 | -.293 | -.608 | -.660 | -.751 | .05 | -.042 | -.171 | -.392 | -.507 | -.649 |
| .10 | -.148 | -.203 | -.546 | -.785 | -.879 | .10 | -.108 | -.192 | -.414 | -.625 | -.774 |
| .20 | -.229 | -.049 | -.534 | -.729 | -.886 | .20 | -.188 | -.129 | -.414 | -.590 | -.760 |
| .30 | -.294 | -.324 | -.504 | -.688 | -.858 | .30 | -.252 | -.265 | -.414 | -.558 | -.717 |
| .40 | -.240 | -.348 | -.509 | -.690 | -.863 | .40 | -.210 | -.291 | -.417 | -.613 | -.703 |
| .50 | -.198 | -.441 | -.617 | -.746 | -.739 | .50 | -.154 | -.365 | -.488 | -.672 | -.595 |
| .60 | -.186 | -.389 | -.479 | -.200 | -.156 | .60 | -.145 | -.302 | -.405 | -.187 | -.074 |
| .67 | | | -.332 | | | .67 | | | -.336 | | |
| .70 | -.166 | -.127 | | -.104 | .016 | .70 | -.114 | -.094 | | -.012 | .087 |
| .80 | -.027 | | | -.060 | .142 | .80 | .012 | | | .051 | .234 |
| .84 | | | -.074 | | | .84 | | | -.079 | | |
| .86 | | .048 | | | | .86 | | .089 | | | |
| .90 | | | | .095 | .238 | .90 | | | | .218 | .336 |
| .91 | .081 | | | | | .91 | .109 | | | | |
| .95 | .086 | .095 | .102 | .184 | .238 | .95 | .111 | .119 | .152 | .299 | .332 |

RUN = 506 POINT = 3

TABLE 88 CONTINUED

RUN = 506 POINT = 4

| (C) ALPHA = 1.04 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.005 | .239 | .556 | .752 | .710 | 0.00 | -.013 | .196 | .511 | .739 | .726 |
| .05 | -.003 | -.349 | -.420 | .750 | -.296 | .05 | -.010 | -.444 | -.631 | .744 | -.519 |
| .10 | -.263 | -.336 | -.539 | -.518 | -.267 | .10 | -.322 | -.446 | -.651 | -.588 | -.533 |
| .20 | -.279 | -.354 | -.466 | -.533 | -.249 | .20 | -.326 | -.411 | -.563 | -.662 | -.488 |
| .30 | -.237 | -.399 | -.492 | -.332 | -.246 | .30 | -.282 | -.458 | -.592 | -.631 | -.143 |
| .40 | -.235 | -.370 | -.298 | -.118 | -.269 | .40 | -.271 | -.448 | -.425 | -.481 | -.181 |
| .50 | -.259 | -.304 | -.199 | -.183 | -.286 | .50 | -.295 | -.377 | -.358 | -.310 | -.294 |
| .60 | -.198 | -.184 | -.116 | -.242 | -.307 | .60 | -.256 | -.264 | -.122 | -.187 | -.346 |
| .67 | | | -0.000 | | | .67 | | | .006 | | |
| .70 | -.121 | -.156 | | -.246 | -.340 | .70 | -.179 | -.201 | | -.187 | -.391 |
| .80 | -.073 | | | -.366 | -.483 | .80 | -.111 | | | -.328 | -.530 |
| .84 | | | .038 | | | .84 | | | .038 | | |
| .86 | | -.088 | | | | .86 | | -.085 | | | |
| .90 | | | | -.316 | -.293 | .90 | | | | -.293 | -.221 |
| .91 | -.049 | | | | | .91 | -.069 | | | | |
| .95 | -.044 | -.083 | -.208 | -.070 | -.090 | .95 | -.056 | -.061 | -.192 | -.103 | -.075 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.018 | -.079 | -.241 | -.374 | -.525 | .05 | .009 | -.013 | -.129 | -.266 | -.358 |
| .10 | -.079 | -.108 | -.292 | -.518 | -.659 | .10 | -.052 | -.045 | -.212 | -.405 | -.518 |
| .20 | -.161 | -.118 | -.325 | -.485 | -.608 | .20 | -.133 | -.072 | -.256 | -.391 | -.479 |
| .30 | -.191 | -.199 | -.358 | -.476 | -.567 | .30 | -.159 | -.144 | -.302 | -.400 | -.446 |
| .40 | -.172 | -.241 | -.366 | -.534 | -.561 | .40 | -.139 | -.189 | -.293 | -.469 | -.485 |
| .50 | -.127 | -.313 | -.343 | -.534 | -.321 | .50 | -.093 | -.235 | -.293 | -.516 | -.167 |
| .60 | -.117 | -.235 | -.378 | -.178 | -.061 | .60 | -.085 | -.187 | -.342 | -.133 | -.081 |
| .67 | | | -.334 | | | .67 | | | -.323 | | |
| .70 | -.086 | -.075 | | .075 | .116 | .70 | -.050 | -.060 | | .096 | .114 |
| .80 | .036 | | | .163 | .261 | .80 | .059 | | | .210 | .257 |
| .84 | | | -.065 | | | .84 | | | -.048 | | |
| .86 | | .109 | | | | .86 | | .129 | | | |
| .90 | | | | .230 | .349 | .90 | | | | .267 | .331 |
| .91 | .128 | | | | | .91 | .143 | | | | |
| .95 | .120 | .130 | .171 | .257 | .342 | .95 | .132 | .144 | .186 | .284 | .327 |

RUN = 506 POINT = 5

TABLE 88 CONTINUED

RUN = 506 POINT = 6

| (E) ALPHA = 2.89 DEGREES | | | | | | (F) ALPHA = 3.39 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.051 | .138 | .455 | .720 | .731 | 0.00 | -.073 | .091 | .420 | .705 | .732 |
| .05 | -.049 | -.636 | -.822 | .718 | -.635 | .05 | -.066 | -.710 | -.901 | .711 | -.678 |
| .10 | -.380 | -.568 | -.829 | -.700 | -.678 | .10 | -.403 | -.632 | -.917 | -.746 | -.725 |
| .20 | -.380 | -.491 | -.711 | -.787 | -.671 | .20 | -.404 | -.515 | -.798 | -.829 | -.720 |
| .30 | -.297 | -.514 | -.670 | -.769 | -.668 | .30 | -.309 | -.540 | -.689 | -.811 | -.711 |
| .40 | -.317 | -.527 | -.565 | -.755 | -.621 | .40 | -.331 | -.553 | -.615 | -.807 | -.713 |
| .50 | -.330 | -.456 | -.517 | -.736 | -.581 | .50 | -.346 | -.494 | -.569 | -.792 | -.720 |
| .60 | -.312 | -.383 | -.281 | -.341 | -.463 | .60 | -.340 | -.444 | -.431 | -.509 | -.701 |
| .67 | | | -.054 | | | .67 | | | -.105 | | |
| .70 | -.249 | -.307 | | -.200 | -.239 | .70 | -.289 | -.354 | | -.333 | -.368 |
| .80 | -.181 | | | -.306 | -.421 | .80 | -.211 | | | -.287 | -.294 |
| .84 | | | .032 | | | .84 | | | .033 | | |
| .86 | | -.102 | | | | .86 | | -.110 | | | |
| .90 | | | | -.258 | -.371 | .90 | | | | -.215 | -.290 |
| .91 | -.100 | | | | | .91 | -.132 | | | | |
| .95 | -.086 | -.045 | -.180 | -.103 | -.093 | .95 | -.099 | -.042 | -.179 | -.094 | -.103 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .029 | .069 | -.007 | -.156 | -.192 | .05 | .045 | .107 | .046 | -.097 | -.138 |
| .10 | -.025 | .028 | -.109 | -.278 | -.420 | .10 | -.007 | .083 | -.064 | -.213 | -.347 |
| .20 | -.097 | -.017 | -.202 | -.309 | -.368 | .20 | -.081 | .036 | -.155 | -.275 | -.326 |
| .30 | -.122 | -.093 | -.223 | -.329 | -.352 | .30 | -.105 | -.077 | -.197 | -.291 | -.264 |
| .40 | -.106 | -.148 | -.237 | -.408 | -.184 | .40 | -.090 | -.129 | -.215 | -.378 | -.188 |
| .50 | -.069 | -.185 | -.264 | -.487 | -.165 | .50 | -.048 | -.164 | -.247 | -.461 | -.146 |
| .60 | -.058 | -.159 | -.329 | -.114 | -.060 | .60 | -.038 | -.136 | -.317 | -.118 | -.047 |
| .67 | | | -.324 | | | .67 | | | -.313 | | |
| .70 | -.023 | -.045 | | .109 | .125 | .70 | -.013 | -.033 | | .110 | .133 |
| .80 | .079 | | | .242 | .282 | .80 | .087 | | | .257 | .291 |
| .84 | | | -.039 | | | .84 | | | -.025 | | |
| .86 | | .138 | | | | .86 | | .141 | | | |
| .90 | | | | .310 | .337 | .90 | | | | .320 | .362 |
| .91 | .156 | | | | | .91 | .158 | | | | |
| .95 | .136 | .142 | .194 | .311 | .323 | .95 | .142 | .141 | .198 | .322 | .351 |

RUN = 506 POINT = 7

TABLE 88 CONTINUED

RUN = 506 POINT = 8

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.073 | .054 | .394 | .697 | .741 | 0.00 | -.110 | -.016 | .329 | .666 | .726 |
| .05 | -.070 | -.795 | -.960 | .687 | -.705 | .05 | -.108 | -.986 | -1.056 | .666 | -.785 |
| .10 | -.450 | -.687 | -.972 | -.787 | -.762 | .10 | -.500 | -.929 | -1.094 | -.870 | -.840 |
| .20 | -.414 | -.562 | -.897 | -.862 | -.757 | .20 | -.445 | -.610 | -1.037 | -.936 | -.842 |
| .30 | -.326 | -.561 | -.708 | -.841 | -.743 | .30 | -.363 | -.617 | -.881 | -.938 | -.832 |
| .40 | -.335 | -.580 | -.644 | -.841 | -.746 | .40 | -.366 | -.624 | -.670 | -.926 | -.821 |
| .50 | -.353 | -.512 | -.607 | -.825 | -.750 | .50 | -.392 | -.573 | -.668 | -.910 | -.837 |
| .60 | -.352 | -.483 | -.554 | -.753 | -.764 | .60 | -.387 | -.551 | -.632 | -.907 | -.851 |
| .67 | | | -.152 | | | .67 | | | -.316 | | |
| .70 | -.304 | -.391 | | -.757 | -.715 | .70 | -.361 | -.483 | | -.908 | -.792 |
| .80 | -.238 | | | -.261 | -.558 | .80 | -.297 | | | -.486 | -.655 |
| .84 | | | .036 | | | .84 | | | .033 | | |
| .86 | | -.128 | | | | .86 | | -.160 | | | |
| .90 | | | | -.202 | -.202 | .90 | | | | -.246 | -.336 |
| .91 | -.161 | | | | | .91 | -.231 | | | | |
| .95 | -.115 | -.040 | -.172 | -.070 | -.076 | .95 | -.178 | -.062 | -.200 | -.064 | -.187 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .147 | .107 | -.048 | -.075 | .05 | .078 | .222 | .183 | .047 | .005 |
| .10 | .015 | .129 | -.021 | -.161 | -.270 | .10 | .037 | .187 | .051 | -.078 | -.154 |
| .20 | -.057 | .090 | -.111 | -.221 | -.266 | .20 | -.018 | .146 | -.053 | -.160 | -.168 |
| .30 | -.079 | -.044 | -.169 | -.251 | -.223 | .30 | -.040 | -0.000 | -.118 | -.214 | -.166 |
| .40 | -.066 | -.094 | -.177 | -.344 | -.170 | .40 | -.031 | -.062 | -.162 | -.291 | -.144 |
| .50 | -.024 | -.134 | -.216 | -.305 | -.132 | .50 | -0.000 | -.095 | -.174 | -.165 | -.125 |
| .60 | -.016 | -.123 | -.296 | -.125 | -.035 | .60 | .003 | -.095 | -.274 | -.134 | -.046 |
| .67 | | | -.295 | | | .67 | | | -.286 | | |
| .70 | .003 | -.018 | | .113 | .144 | .70 | .025 | -.009 | | .115 | .130 |
| .80 | .103 | | | .275 | .299 | .80 | .116 | | | .276 | .283 |
| .84 | | | -.007 | | | .84 | | | -.002 | | |
| .86 | | .151 | | | | .86 | | .166 | | | |
| .90 | | | | .336 | .366 | .90 | | | | .347 | .333 |
| .91 | .165 | | | | | .91 | .176 | | | | |
| .95 | .143 | .144 | .208 | .335 | .359 | .95 | .145 | .133 | .192 | .340 | .314 |

RUN = 506 POINT = 9

TABLE 88 CONTINUED

RUN = 506 POINT = 10

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|--------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.160 | -.105 | .251 | .620 | .715 | 0.00 | -.274 | -.270 | .100 | .516 | .674 |
| .05 | -.158 | -1.143 | -1.156 | .625 | -.871 | .05 | -.272 | -1.229 | -1.290 | .507 | -1.016 |
| .10 | -.553 | -1.062 | -1.193 | -.955 | -.919 | .10 | -.716 | -1.205 | -1.273 | -1.085 | -1.056 |
| .20 | -.476 | -.696 | -1.150 | -1.004 | -.917 | .20 | -.539 | -1.086 | -1.262 | -1.137 | -1.047 |
| .30 | -.394 | -.664 | -1.103 | -1.008 | -.895 | .30 | -.451 | -.978 | -1.203 | -1.134 | -1.031 |
| .40 | -.388 | -.657 | -.875 | -1.013 | -.898 | .40 | -.442 | -.897 | -1.037 | -1.127 | -.985 |
| .50 | -.420 | -.613 | -.706 | -.987 | -.904 | .50 | -.480 | -.738 | -.912 | -1.100 | -.942 |
| .60 | -.410 | -.607 | -.666 | -.964 | -.867 | .60 | -.484 | -.667 | -.760 | -1.015 | -.730 |
| .67 | | | -.565 | | | .67 | | | -.586 | | |
| .70 | -.396 | -.551 | | -.955 | -.838 | .70 | -.479 | -.621 | | -1.016 | -.495 |
| .80 | -.343 | | | -.687 | -.612 | .80 | -.440 | | | -.621 | -.418 |
| .84 | | | .027 | | | .84 | | | .026 | | |
| .86 | | -.213 | | | | .86 | | -.287 | | | |
| .90 | | | | -.439 | -.315 | .90 | | | | -.485 | -.357 |
| .91 | -.312 | | | | | .91 | -.422 | | | | |
| .95 | -.262 | -.087 | -.215 | -.207 | -.212 | .95 | -.385 | -.144 | -.243 | -.385 | -.352 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .267 | .280 | .120 | .101 | .05 | .118 | .355 | .408 | .236 | .249 |
| .10 | .072 | .236 | .122 | .012 | -.049 | .10 | .118 | .318 | .246 | .147 | .084 |
| .20 | .019 | .199 | .010 | -.094 | -.105 | .20 | .089 | .261 | .105 | .020 | -.014 |
| .30 | -0.000 | .038 | -.060 | -.165 | -.120 | .30 | .078 | .120 | .025 | -.065 | -.055 |
| .40 | .010 | -.017 | -.118 | -.235 | -.125 | .40 | .074 | .057 | -.023 | -.124 | -.099 |
| .50 | .033 | -.059 | -.139 | -.174 | -.125 | .50 | .092 | .009 | -.077 | -.152 | -.124 |
| .60 | .039 | -.066 | -.234 | -.139 | -.060 | .60 | .089 | -.014 | -.178 | -.145 | -.085 |
| .67 | | | -.265 | | | .67 | | | -.245 | | |
| .70 | .052 | .012 | | .104 | .097 | .70 | .092 | .039 | | .071 | .064 |
| .80 | .139 | | | .274 | .253 | .80 | .164 | | | .249 | .228 |
| .84 | | | .010 | | | .84 | | | .018 | | |
| .86 | | .167 | | | | .86 | | .181 | | | |
| .90 | | | | .334 | .312 | .90 | | | | .305 | .281 |
| .91 | .186 | | | | | .91 | .204 | | | | |
| .95 | .152 | .130 | .202 | .317 | .286 | .95 | .158 | .122 | .197 | .278 | .244 |

RUN = 506 POINT = 11

TABLE 88 CONCLUDED

RUN = 506 POINT = 12

| (K) ALPHA = 9.93 DEGREES | | | | | | (L) ALPHA = .13 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.383 | -.454 | -.047 | .407 | .627 | 0.00 | -.004 | .273 | .590 | .751 | .667 |
| .05 | -.388 | -1.228 | -1.075 | .416 | -1.142 | .05 | -.002 | -.253 | -.279 | .753 | -.139 |
| .10 | -.874 | -1.230 | -1.070 | -.765 | -1.161 | .10 | -.213 | -.249 | -.388 | -.343 | -.174 |
| .20 | -.587 | -1.201 | -1.013 | -.725 | -1.111 | .20 | -.238 | -.288 | -.371 | -.267 | -.189 |
| .30 | -.491 | -1.205 | -.940 | -.697 | -1.068 | .30 | -.215 | -.329 | -.272 | -.239 | -.194 |
| .40 | -.485 | -1.165 | -.843 | -.679 | -.987 | .40 | -.207 | -.296 | -.178 | -.218 | -.227 |
| .50 | -.516 | -1.094 | -.750 | -.655 | -.813 | .50 | -.213 | -.208 | -.202 | -.174 | -.239 |
| .60 | -.531 | -.832 | -.722 | -.596 | -.630 | .60 | -.158 | -.151 | -.119 | -.223 | -.274 |
| .67 | | | -.695 | | | .67 | | | .003 | | |
| .70 | -.522 | -.673 | | -.596 | -.567 | .70 | -.090 | -.149 | | -.223 | -.314 |
| .80 | -.315 | | | -.526 | -.512 | .80 | -.053 | | | -.353 | -.461 |
| .84 | | | .018 | | | .84 | | | .033 | | |
| .86 | | -.479 | | | | .86 | | -.090 | | | |
| .90 | | | | -.512 | -.448 | .90 | | | | -.246 | -.297 |
| .91 | -.312 | | | | | .91 | -.048 | | | | |
| .95 | -.352 | -.450 | -.574 | -.470 | -.431 | .95 | -.051 | -.095 | -.204 | -.086 | -.101 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .129 | .405 | .494 | .359 | .336 | .05 | -.049 | -.198 | -.404 | -.530 | -.651 |
| .10 | .156 | .375 | .340 | .235 | .158 | .10 | -.121 | -.009 | -.416 | -.639 | -.791 |
| .20 | .149 | .325 | .197 | .098 | .055 | .20 | -.202 | .141 | -.420 | -.602 | -.774 |
| .30 | .138 | .186 | .098 | -.014 | -.011 | .30 | -.251 | -.272 | -.434 | -.571 | -.736 |
| .40 | .134 | .116 | .037 | -.079 | -.073 | .40 | -.220 | -.307 | -.432 | -.620 | -.712 |
| .50 | .141 | .063 | -.031 | -.145 | -.112 | .50 | -.161 | -.369 | -.467 | -.674 | -.620 |
| .60 | .132 | .029 | -.147 | -.160 | -.090 | .60 | -.154 | -.309 | -.408 | -.191 | -.084 |
| .67 | | | -.227 | | | .67 | | | -.292 | | |
| .70 | .136 | .063 | | .045 | .053 | .70 | -.123 | -.099 | | -.020 | .077 |
| .80 | .192 | | | .223 | .218 | .80 | .003 | | | .064 | .225 |
| .84 | | | -.007 | | | .84 | | | -.027 | | |
| .86 | | .183 | | | | .86 | | .083 | | | |
| .90 | | | | .283 | .272 | .90 | | | | .234 | .330 |
| .91 | .223 | | | | | .91 | .103 | | | | |
| .95 | .172 | .092 | .152 | .250 | .235 | .95 | .100 | .115 | .154 | .297 | .327 |

RUN = 505 POINT = 3

TABLE 89

WING PRESSURE COEFFICIENTS

RUN = 505 POINT = 5

| (A) ALPHA = -.90 DEGREES | | | | | | (B) ALPHA = .15 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .012 | .305 | .637 | .761 | .652 | 0.00 | .012 | .277 | .602 | .763 | .692 |
| .05 | .012 | -.113 | -.115 | .761 | -.017 | .05 | .016 | -.241 | -.262 | .766 | -.164 |
| .10 | -.156 | -.137 | -.225 | -.144 | -.057 | .10 | -.210 | -.230 | -.393 | -.346 | -.176 |
| .20 | -.207 | -.170 | -.243 | -.176 | -.109 | .20 | -.254 | -.291 | -.356 | -.330 | -.182 |
| .30 | -.167 | -.245 | -.225 | -.147 | -.125 | .30 | -.217 | -.312 | -.380 | -.250 | -.190 |
| .40 | -.161 | -.200 | -.128 | -.147 | -.177 | .40 | -.204 | -.286 | -.179 | -.250 | -.227 |
| .50 | -.154 | -.152 | -.156 | -.122 | -.198 | .50 | -.217 | -.242 | -.173 | -.173 | -.256 |
| .60 | -.102 | -.108 | -.091 | -.183 | -.233 | .60 | -.162 | -.153 | -.127 | -.205 | -.275 |
| .67 | | | .039 | | | .67 | | | .018 | | |
| .70 | -.048 | -.126 | | -.179 | -.277 | .70 | -.094 | -.148 | | -.205 | -.312 |
| .80 | -.024 | | | -.317 | -.428 | .80 | -.055 | | | -.356 | -.463 |
| .84 | | | .054 | | | .84 | | | .046 | | |
| .86 | | -.076 | | | | .86 | | -.085 | | | |
| .90 | | | | -.206 | -.306 | .90 | | | | -.247 | -.275 |
| .91 | -.039 | | | | | .91 | -.049 | | | | |
| .95 | -.046 | -.106 | -.204 | -.034 | -.048 | .95 | -.049 | -.090 | -.223 | -.044 | -.069 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.072 | -.317 | -.568 | -.581 | -.681 | .05 | -.046 | -.160 | -.377 | -.490 | -.601 |
| .10 | -.126 | .131 | -.512 | -.733 | -.826 | .10 | -.107 | -.122 | -.393 | -.593 | -.733 |
| .20 | -.226 | .432 | -.513 | -.680 | -.824 | .20 | -.195 | .003 | -.395 | -.577 | -.714 |
| .30 | -.281 | -.323 | -.487 | -.682 | -.803 | .30 | -.261 | -.249 | -.418 | -.550 | -.710 |
| .40 | -.313 | -.325 | -.483 | -.671 | -.816 | .40 | -.221 | -.271 | -.416 | -.598 | -.698 |
| .50 | -.148 | -.404 | -.595 | -.721 | -.779 | .50 | -.147 | -.364 | -.533 | -.660 | -.708 |
| .60 | -.170 | -.401 | -.644 | -.277 | -.318 | .60 | -.138 | -.345 | -.478 | -.222 | -.195 |
| .67 | | | .298 | | | .67 | | | -.042 | | |
| .70 | -.159 | -.160 | | -.172 | -.099 | .70 | -.121 | -.111 | | -.114 | -.004 |
| .80 | -.033 | | | -.139 | .021 | .80 | -.005 | | | -.096 | .177 |
| .84 | | | .534 | | | .84 | | | .287 | | |
| .86 | | .045 | | | | .86 | | .079 | | | |
| .90 | | | | -.066 | .144 | .90 | | | | .083 | .294 |
| .91 | .082 | | | | | .91 | .101 | | | | |
| .95 | .088 | .103 | .108 | .028 | .161 | .95 | .099 | .112 | .164 | .215 | .289 |

RUN = 505 POINT = 6

TABLE 89 CONTINUED

RUN = 505 POINT = 7

| (C) ALPHA = 1.08 DEGREES | | | | | | (D) ALPHA = 1.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.012 | .250 | .579 | .764 | .719 | 0.00 | -.029 | .212 | .532 | .750 | .723 |
| .05 | -.008 | -.338 | -.400 | .764 | -.393 | .05 | -.025 | -.417 | -.602 | .746 | -.502 |
| .10 | -.281 | -.364 | -.501 | -.463 | -.374 | .10 | -.333 | -.438 | -.602 | -.546 | -.539 |
| .20 | -.312 | -.325 | -.459 | -.523 | -.240 | .20 | -.329 | -.399 | -.542 | -.639 | -.528 |
| .30 | -.224 | -.383 | -.510 | -.444 | -.119 | .30 | -.260 | -.442 | -.576 | -.614 | -.525 |
| .40 | -.251 | -.381 | -.342 | -.421 | -.211 | .40 | -.274 | -.463 | -.450 | -.600 | -.508 |
| .50 | -.248 | -.311 | -.307 | -.132 | -.289 | .50 | -.291 | -.378 | -.420 | -.486 | -.210 |
| .60 | -.216 | -.239 | -.134 | -.179 | -.323 | .60 | -.271 | -.295 | -.281 | -.269 | -.132 |
| .67 | | | .026 | | | .67 | | | -.038 | | |
| .70 | -.132 | -.180 | | -.178 | -.351 | .70 | -.185 | -.270 | | -.158 | -.264 |
| .80 | -.089 | | | -.318 | -.495 | .80 | -.144 | | | -.286 | -.435 |
| .84 | | | .046 | | | .84 | | | .044 | | |
| .86 | | -.082 | | | | .86 | | -.093 | | | |
| .90 | | | | -.317 | -.195 | .90 | | | | -.223 | -.463 |
| .91 | -.058 | | | | | .91 | -.106 | | | | |
| .95 | -.051 | -.071 | -.210 | -.075 | -.056 | .95 | -.071 | -.056 | -.187 | -.055 | -.089 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.071 | -.229 | -.359 | -.483 | .05 | .009 | 0.000 | -.112 | -.269 | -.368 |
| .10 | -.071 | -.095 | -.278 | -.488 | -.620 | .10 | -.049 | -.038 | -.191 | -.404 | -.520 |
| .20 | -.161 | -.047 | -.315 | -.474 | -.612 | .20 | -.139 | -.040 | -.260 | -.407 | -.502 |
| .30 | -.229 | -.182 | -.343 | -.475 | -.556 | .30 | -.179 | -.139 | -.300 | -.412 | -.477 |
| .40 | -.161 | -.228 | -.357 | -.535 | -.568 | .40 | -.142 | -.178 | -.311 | -.479 | -.489 |
| .50 | -.121 | -.294 | -.415 | -.602 | -.640 | .50 | -.095 | -.260 | -.321 | -.498 | -.387 |
| .60 | -.108 | -.263 | -.392 | -.209 | -.122 | .60 | -.084 | -.209 | -.358 | -.205 | -.055 |
| .67 | | | -.109 | | | .67 | | | -.155 | | |
| .70 | -.089 | -.090 | | -.018 | .066 | .70 | -.060 | -.066 | | .069 | .112 |
| .80 | .037 | | | .061 | .215 | .80 | .056 | | | .137 | .259 |
| .84 | | | .222 | | | .84 | | | .175 | | |
| .86 | | .111 | | | | .86 | | .121 | | | |
| .90 | | | | .206 | .332 | .90 | | | | .213 | .349 |
| .91 | .127 | | | | | .91 | .137 | | | | |
| .95 | .123 | .133 | .180 | .294 | .336 | .95 | .130 | .134 | .198 | .261 | .344 |

RUN = 505 POINT = 8

TABLE 89 CONTINUED

RUN = 505 POINT = 9

| (E) ALPHA = 2.87 DEGREES | | | | | | (F) ALPHA = 3.31 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.046 | .144 | .480 | .737 | .734 | 0.00 | -.064 | .118 | .460 | .728 | .738 |
| .05 | -.044 | -.575 | -.780 | .741 | -.580 | .05 | -.058 | -.682 | -.817 | .733 | -.614 |
| .10 | -.377 | -.516 | -.767 | -.617 | -.628 | .10 | -.411 | -.567 | -.845 | -.659 | -.659 |
| .20 | -.362 | -.465 | -.662 | -.715 | -.625 | .20 | -.382 | -.501 | -.720 | -.753 | -.664 |
| .30 | -.295 | -.482 | -.624 | -.705 | -.626 | .30 | -.305 | -.504 | -.649 | -.748 | -.652 |
| .40 | -.293 | -.501 | -.545 | -.705 | -.625 | .40 | -.300 | -.530 | -.579 | -.736 | -.666 |
| .50 | -.313 | -.446 | -.504 | -.684 | -.644 | .50 | -.329 | -.464 | -.530 | -.734 | -.669 |
| .60 | -.304 | -.402 | -.448 | -.575 | -.656 | .60 | -.307 | -.449 | -.519 | -.664 | -.685 |
| .67 | | | -.145 | | | .67 | | | -.218 | | |
| .70 | -.254 | -.337 | | -.566 | -.618 | .70 | -.276 | -.368 | | -.666 | -.712 |
| .80 | -.192 | | | -.277 | -.338 | .80 | -.208 | | | -.307 | -.660 |
| .84 | | | .043 | | | .84 | | | .045 | | |
| .86 | | -.143 | | | | .86 | | -.161 | | | |
| .90 | | | | -.207 | -.236 | .90 | | | | -.218 | -.229 |
| .91 | -.155 | | | | | .91 | -.188 | | | | |
| .95 | -.124 | -.051 | -.211 | -.039 | -.077 | .95 | -.141 | -.053 | -.227 | -.036 | -.069 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .038 | .073 | -.006 | -.164 | -.221 | .05 | .049 | .110 | .042 | -.114 | -.172 |
| .10 | -.020 | .039 | -.100 | -.295 | -.417 | .10 | -.005 | .089 | -.067 | -.233 | -.386 |
| .20 | -.102 | .005 | -.183 | -.309 | -.399 | .20 | -.084 | .052 | -.153 | -.277 | -.353 |
| .30 | -.124 | -.088 | -.225 | -.339 | -.393 | .30 | -.106 | -.071 | -.197 | -.303 | -.367 |
| .40 | -.104 | -.141 | -.239 | -.428 | -.445 | .40 | -.088 | -.119 | -.216 | -.396 | -.438 |
| .50 | -.060 | -.185 | -.269 | -.470 | -.143 | .50 | -.047 | -.169 | -.239 | -.459 | -.121 |
| .60 | -.047 | -.171 | -.323 | -.172 | -.038 | .60 | -.042 | -.156 | -.310 | -.152 | -.043 |
| .67 | | | -.171 | | | .67 | | | -.184 | | |
| .70 | -.027 | -.048 | | .101 | .140 | .70 | -.013 | -.038 | | .107 | .133 |
| .80 | .076 | | | .192 | .295 | .80 | .085 | | | .202 | .284 |
| .84 | | | .142 | | | .84 | | | .107 | | |
| .86 | | .137 | | | | .86 | | .139 | | | |
| .90 | | | | .248 | .365 | .90 | | | | .263 | .359 |
| .91 | .153 | | | | | .91 | .154 | | | | |
| .95 | .133 | .132 | .219 | .277 | .361 | .95 | .134 | .130 | .220 | .287 | .347 |

RUN = 505 POINT = 10

TABLE 89 CONTINUED

RUN = 505 POINT = 11

| (G) ALPHA = 3.85 DEGREES | | | | | | (H) ALPHA = 4.84 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.078 | .081 | .419 | .720 | .738 | 0.00 | -.118 | .010 | .352 | .690 | .738 |
| .05 | -.131 | -.795 | -.895 | .708 | -.648 | .05 | -.113 | -.956 | -.988 | .686 | -.723 |
| .10 | -.438 | -.654 | -.916 | -.709 | -.700 | .10 | -.482 | -.891 | -1.033 | -.793 | -.771 |
| .20 | -.391 | -.533 | -.831 | -.793 | -.701 | .20 | -.420 | -.558 | -.982 | -.870 | -.778 |
| .30 | -.325 | -.538 | -.672 | -.796 | -.701 | .30 | -.356 | -.592 | -.881 | -.875 | -.778 |
| .40 | -.318 | -.555 | -.623 | -.793 | -.700 | .40 | -.345 | -.587 | -.624 | -.877 | -.768 |
| .50 | -.343 | -.489 | -.569 | -.779 | -.722 | .50 | -.370 | -.534 | -.631 | -.854 | -.785 |
| .60 | -.329 | -.480 | -.557 | -.786 | -.726 | .60 | -.359 | -.527 | -.602 | -.877 | -.802 |
| .67 | | | -.311 | | | .67 | | | -.475 | | |
| .70 | -.298 | -.412 | | -.789 | -.732 | .70 | -.328 | -.470 | | -.875 | -.752 |
| .80 | -.237 | | | -.433 | -.665 | .80 | -.275 | | | -.748 | -.637 |
| .84 | | | .038 | | | .84 | | | .041 | | |
| .86 | | -.199 | | | | .86 | | -.245 | | | |
| .90 | | | | -.270 | -.340 | .90 | | | | -.392 | -.370 |
| .91 | -.217 | | | | | .91 | -.264 | | | | |
| .95 | -.179 | -.064 | -.254 | -.043 | -.202 | .95 | -.230 | -.080 | -.291 | -.074 | -.291 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .058 | .149 | .099 | -.058 | -.093 | .05 | .078 | .222 | .191 | .044 | -.005 |
| .10 | .008 | .130 | -.022 | -.184 | -.326 | .10 | .041 | .185 | .054 | -.083 | -.201 |
| .20 | -.065 | .095 | -.120 | -.240 | -.326 | .20 | -.022 | .150 | -.051 | -.167 | -.246 |
| .30 | -.084 | -.038 | -.177 | -.268 | -.334 | .30 | -.042 | .003 | -.119 | -.210 | -.256 |
| .40 | -.071 | -.101 | -.191 | -.371 | -.360 | .40 | -.033 | -.058 | -.174 | -.312 | -.141 |
| .50 | -.027 | -.139 | -.221 | -.452 | -.122 | .50 | .007 | -.106 | -.188 | -.418 | -.198 |
| .60 | -.023 | -.139 | -.303 | -.122 | -.059 | .60 | .008 | -.100 | -.284 | -.095 | -.084 |
| .67 | | | -.195 | | | .67 | | | -.193 | | |
| .70 | -.005 | -.033 | | .111 | .121 | .70 | .023 | -.013 | | .111 | .100 |
| .80 | .094 | | | .224 | .272 | .80 | .116 | | | .251 | .247 |
| .84 | | | .073 | | | .84 | | | .061 | | |
| .86 | | .141 | | | | .86 | | .152 | | | |
| .90 | | | | .287 | .330 | .90 | | | | .309 | .295 |
| .91 | .160 | | | | | .91 | .169 | | | | |
| .95 | .134 | .124 | .185 | .299 | .313 | .95 | .138 | .121 | .195 | .309 | .273 |

RUN = 505 POINT = 12

TABLE 89

CONTINUED

RUN = 505 POINT = 13

| (I) ALPHA = 5.95 DEGREES | | | | | | (J) ALPHA = 8.00 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.161 | -.069 | .286 | .647 | .725 | 0.00 | -.270 | -.226 | .143 | .552 | .693 |
| .05 | -.157 | -1.068 | -1.083 | .658 | -.795 | .05 | -.268 | -1.168 | -1.214 | .549 | -.937 |
| .10 | -.555 | -1.015 | -1.119 | -.870 | -.852 | .10 | -.718 | -1.137 | -1.218 | -.996 | -.981 |
| .20 | -.454 | -.639 | -1.090 | -.938 | -.845 | .20 | -.523 | -1.020 | -1.200 | -1.066 | -.969 |
| .30 | -.387 | -.625 | -1.033 | -.947 | -.840 | .30 | -.416 | -.937 | -1.136 | -1.061 | -.964 |
| .40 | -.371 | -.620 | -.924 | -.942 | -.838 | .40 | -.416 | -.842 | -1.006 | -1.064 | -.956 |
| .50 | -.405 | -.594 | -.657 | -.935 | -.845 | .50 | -.449 | -.732 | -.846 | -1.052 | -.914 |
| .60 | -.398 | -.578 | -.644 | -.931 | -.852 | .60 | -.454 | -.654 | -.751 | -.998 | -.889 |
| .67 | | | -.607 | | | .67 | | | -.601 | | |
| .70 | -.374 | -.521 | | -.935 | -.799 | .70 | -.456 | -.599 | | -.998 | -.731 |
| .80 | -.316 | | | -.780 | -.740 | .80 | -.418 | | | -.773 | -.533 |
| .84 | | | .039 | | | .84 | | | .029 | | |
| .86 | | -.291 | | | | .86 | | -.411 | | | |
| .90 | | | | -.575 | -.465 | .90 | | | | -.570 | -.458 |
| .91 | -.318 | | | | | .91 | -.399 | | | | |
| .95 | -.303 | -.104 | -.307 | -.342 | -.320 | .95 | -.412 | -.167 | -.269 | -.474 | -.432 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .095 | .268 | .278 | .111 | .067 | .05 | .120 | .357 | .407 | .259 | .215 |
| .10 | .068 | .237 | .121 | -.003 | -.099 | .10 | .120 | .319 | .249 | .124 | .051 |
| .20 | .017 | .196 | .013 | -.106 | -.155 | .20 | .091 | .265 | .112 | .011 | -.037 |
| .30 | .001 | .043 | -.068 | -.169 | -.160 | .30 | .075 | .131 | .029 | -.082 | -.073 |
| .40 | .010 | -.017 | -.123 | -.256 | -.179 | .40 | .077 | .055 | -.026 | -.169 | -.114 |
| .50 | .035 | -.057 | -.144 | -.368 | -.209 | .50 | .095 | .011 | -.082 | -.146 | -.155 |
| .60 | .041 | -.070 | -.251 | -.116 | -.100 | .60 | .091 | -.012 | -.195 | -.162 | -.099 |
| .67 | | | -.186 | | | .67 | | | -.179 | | |
| .70 | .052 | .002 | | .093 | .072 | .70 | .095 | .040 | | .065 | .055 |
| .80 | .135 | | | .247 | .236 | .80 | .169 | | | .241 | .222 |
| .84 | | | .055 | | | .84 | | | .046 | | |
| .86 | | .159 | | | | .86 | | .180 | | | |
| .90 | | | | .307 | .295 | .90 | | | | .302 | .273 |
| .91 | .183 | | | | | .91 | .207 | | | | |
| .95 | .148 | .109 | .196 | .293 | .269 | .95 | .160 | .112 | .183 | .268 | .237 |

| (K) ALPHA = 10.03 DEGREES | | | | | | (L) ALPHA = 11.93 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.372 | -.418 | -.014 | .432 | .631 | 0.00 | -.473 | -.582 | -.195 | .306 | .564 |
| .05 | -.378 | -1.159 | -1.240 | .425 | -1.076 | .05 | -.475 | -1.173 | -1.243 | .304 | -.722 |
| .10 | -.900 | -1.159 | -1.249 | -1.129 | -1.100 | .10 | -1.073 | -1.182 | -1.246 | -.932 | -.669 |
| .20 | -.565 | -1.139 | -1.172 | -1.167 | -1.093 | .20 | -.731 | -1.184 | -1.210 | -.864 | -.640 |
| .30 | -.452 | -1.148 | -1.112 | -1.115 | -1.047 | .30 | -.438 | -1.255 | -1.183 | -.812 | -.613 |
| .40 | -.452 | -1.141 | -1.028 | -1.113 | -.999 | .40 | -.455 | -1.288 | -1.122 | -.793 | -.590 |
| .50 | -.476 | -1.143 | -.884 | -1.071 | -.863 | .50 | -.493 | -1.305 | -1.033 | -.754 | -.568 |
| .60 | -.494 | -1.077 | -.765 | -.794 | -.688 | .60 | -.520 | -1.257 | -.929 | -.655 | -.554 |
| .67 | | | -.652 | | | .67 | | | -.907 | | |
| .70 | -.498 | -.940 | | -.704 | -.578 | .70 | -.527 | -1.274 | | -.655 | -.541 |
| .80 | -.454 | | | -.570 | -.501 | .80 | -.493 | | | -.612 | -.525 |
| .84 | | | .027 | | | .84 | | | .026 | | |
| .86 | | -.227 | | | | .86 | | -.450 | | | |
| .90 | | | | -.544 | -.475 | .90 | | | | -.601 | -.515 |
| .91 | -.436 | | | | | .91 | -.455 | | | | |
| .95 | -.454 | -.216 | -.546 | -.504 | -.465 | .95 | -.362 | -.354 | -.676 | -.594 | -.501 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .136 | .416 | .505 | .371 | .347 | .05 | .140 | .451 | .583 | .465 | .442 |
| .10 | .160 | .383 | .349 | .245 | .179 | .10 | .193 | .422 | .432 | .337 | .270 |
| .20 | .154 | .329 | .208 | .108 | .063 | .20 | .209 | .379 | .287 | .192 | .147 |
| .30 | .149 | .196 | .113 | .004 | -.003 | .30 | .209 | .263 | .193 | .083 | .069 |
| .40 | .140 | .125 | .054 | -.072 | -.067 | .40 | .202 | .192 | .121 | .012 | -.001 |
| .50 | .151 | .073 | -.023 | -.138 | -.104 | .50 | .209 | .136 | .045 | -.066 | -.057 |
| .60 | .147 | .040 | -.133 | -.154 | -.082 | .60 | .195 | .094 | -.071 | -.102 | -.050 |
| .67 | | | -.173 | | | .67 | | | -.165 | | |
| .70 | .142 | .073 | | .056 | .058 | .70 | .186 | .120 | | .075 | .069 |
| .80 | .203 | | | .232 | .223 | .80 | .237 | | | .249 | .235 |
| .84 | | | .011 | | | .84 | | | -.038 | | |
| .86 | | .202 | | | | .86 | | .230 | | | |
| .90 | | | | .298 | .272 | .90 | | | | .304 | .280 |
| .91 | .227 | | | | | .91 | .253 | | | | |
| .95 | .172 | .121 | .172 | .255 | .240 | .95 | .202 | .149 | .181 | .268 | .239 |

RUN = 505 POINT. = 16

TABLE 89 CONCLUDED

| | (M) ALPHA = .16 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .273 | .599 | .760 | .687 |
| .05 | .011 | -.237 | -.261 | .756 | -.161 |
| .10 | -.223 | -.248 | -.386 | -.353 | -.181 |
| .20 | -.235 | -.290 | -.371 | -.313 | -.186 |
| .30 | -.219 | -.322 | -.395 | -.254 | -.198 |
| .40 | -.199 | -.287 | -.220 | -.228 | -.219 |
| .50 | -.215 | -.240 | -.174 | -.158 | -.250 |
| .60 | -.155 | -.159 | -.126 | -.216 | -.277 |
| .67 | | | .017 | | |
| .70 | -.093 | -.145 | | -.216 | -.310 |
| .80 | -.051 | | | -.357 | -.466 |
| .84 | | | .044 | | |
| .86 | | -.092 | | | |
| .90 | | | | -.263 | -.274 |
| .91 | -.048 | | | | |
| .95 | -.051 | -.097 | -.223 | -.099 | -.066 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.042 | -.194 | -.376 | -.481 | -.578 |
| .10 | -.102 | .013 | -.392 | -.592 | -.724 |
| .20 | -.199 | .175 | -.404 | -.578 | -.719 |
| .30 | -.257 | -.254 | -.407 | -.555 | -.696 |
| .40 | -.214 | -.280 | -.428 | -.592 | -.672 |
| .50 | -.148 | -.365 | -.538 | -.665 | -.698 |
| .60 | -.143 | -.340 | -.496 | -.217 | -.198 |
| .67 | | | -.259 | | |
| .70 | -.126 | -.112 | | -.113 | -.006 |
| .80 | -.001 | | | -.099 | .174 |
| .84 | | | -.037 | | |
| .86 | | .075 | | | |
| .90 | | | | .109 | .300 |
| .91 | .102 | | | | |
| .95 | .100 | .112 | .136 | .215 | .293 |

RUN = 514 POINT = 1

TABLE 90

WING PRESSURE COEFFICIENTS

RUN = 514 POINT = 2

| (A) ALPHA = -1.00 DEGREES | | | | | | (B) ALPHA = -.01 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.032 | .296 | .594 | .676 | .474 | 0.00 | .013 | .269 | .572 | .721 | .590 |
| .05 | .010 | -.156 | -.134 | .678 | .039 | .05 | .015 | -.276 | -.318 | .717 | -.056 |
| .10 | -.111 | -.164 | -.233 | -.088 | -.027 | .10 | -.211 | -.270 | -.363 | -.255 | -.113 |
| .20 | -.158 | -.207 | -.185 | -.111 | -.079 | .20 | -.237 | -.264 | -.260 | -.226 | -.130 |
| .30 | -.156 | -.216 | -.185 | -.115 | -.103 | .30 | -.191 | -.274 | -.229 | -.193 | -.165 |
| .40 | -.154 | -.179 | -.122 | -.119 | -.142 | .40 | -.189 | -.219 | -.165 | -.177 | -.190 |
| .50 | -.150 | -.144 | -.113 | -.113 | -.170 | .50 | -.178 | -.184 | -.147 | -.165 | -.207 |
| .60 | -.105 | -.101 | -.020 | -.130 | -.185 | .60 | -.126 | -.124 | -.050 | -.171 | -.218 |
| .67 | | | .076 | | | .67 | | | .058 | | |
| .70 | -.054 | -.099 | | -.163 | -.222 | .70 | -.075 | -.112 | | -.191 | -.251 |
| .80 | -.036 | | | -.245 | -.287 | .80 | -.045 | | | -.272 | -.312 |
| .84 | | | .026 | | | .84 | | | .027 | | |
| .86 | | -.066 | | | | .86 | | -.073 | | | |
| .90 | | | | -.243 | -.275 | .90 | | | | -.274 | -.289 |
| .91 | -.024 | | | | | .91 | -.034 | | | | |
| .95 | -.030 | -.093 | -.134 | -.121 | -.136 | .95 | -.036 | -.087 | -.147 | -.140 | -.134 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.089 | -.311 | -.657 | -.784 | -1.097 | .05 | -.039 | -.186 | -.459 | -.529 | -.902 |
| .10 | -.160 | -.307 | -.569 | -.856 | -1.101 | .10 | -.112 | -.211 | -.410 | -.591 | -.760 |
| .20 | -.215 | -.223 | -.457 | -.630 | -.461 | .20 | -.176 | -.213 | -.371 | -.525 | -.405 |
| .30 | -.243 | -.322 | -.418 | -.470 | -.357 | .30 | -.201 | -.246 | -.357 | -.427 | -.319 |
| .40 | -.229 | -.326 | -.365 | -.449 | -.338 | .40 | -.191 | -.262 | -.326 | -.367 | -.300 |
| .50 | -.186 | -.289 | -.365 | -.322 | -.252 | .50 | -.152 | -.244 | -.326 | -.303 | -.237 |
| .60 | -.156 | -.229 | -.383 | -.224 | -.121 | .60 | -.122 | -.192 | -.357 | -.226 | -.100 |
| .67 | | | -.535 | | | .67 | | | -.457 | | |
| .70 | -.097 | -.084 | | .024 | .056 | .70 | -.071 | -.064 | | .040 | .080 |
| .80 | .018 | | | .144 | .173 | .80 | .040 | | | .212 | .181 |
| .84 | | | -.239 | | | .84 | | | -.243 | | |
| .86 | | .094 | | | | .86 | | .112 | | | |
| .90 | | | | .197 | .220 | .90 | | | | .273 | .237 |
| .91 | .103 | | | | | .91 | .121 | | | | |
| .95 | .103 | .115 | .032 | .224 | .217 | .95 | .111 | .124 | .066 | .281 | .235 |

RUN = 514 POINT = 3

TABLE 90 CONTINUED

RUN = 514 POINT = 4

| (C) ALPHA = .90 DEGREES | | | | | | (D) ALPHA = 1.73 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.006 | .222 | .512 | .735 | .664 | 0.00 | -.031 | .161 | .450 | .719 | .715 |
| .05 | -.006 | -.405 | -.478 | .733 | -.213 | .05 | -.025 | -.512 | -.658 | .723 | -.398 |
| .10 | -.266 | -.358 | -.472 | -.426 | -.240 | .10 | -.309 | -.455 | -.658 | -.642 | -.351 |
| .20 | -.277 | -.329 | -.347 | -.347 | -.227 | .20 | -.311 | -.392 | -.384 | -.485 | -.295 |
| .30 | -.236 | -.335 | -.288 | -.277 | -.227 | .30 | -.260 | -.398 | -.337 | -.313 | -.267 |
| .40 | -.228 | -.273 | -.207 | -.222 | -.248 | .40 | -.264 | -.316 | -.240 | -.265 | -.274 |
| .50 | -.214 | -.217 | -.174 | -.213 | -.255 | .50 | -.250 | -.246 | -.209 | -.248 | -.291 |
| .60 | -.165 | -.149 | -.075 | -.211 | -.257 | .60 | -.187 | -.176 | -.094 | -.242 | -.288 |
| .67 | | | .040 | | | .67 | | | .031 | | |
| .70 | -.102 | -.133 | | -.217 | -.284 | .70 | -.116 | -.153 | | -.249 | -.309 |
| .80 | -.063 | | | -.290 | -.345 | .80 | -.071 | | | -.296 | -.356 |
| .84 | | | .031 | | | .84 | | | .027 | | |
| .86 | | -.083 | | | | .86 | | -.087 | | | |
| .90 | | | | -.290 | -.309 | .90 | | | | -.298 | -.316 |
| .91 | -.045 | | | | | .91 | -.049 | | | | |
| .95 | -.041 | -.087 | -.151 | -.147 | -.156 | .95 | -.045 | -.081 | -.151 | -.139 | -.152 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.079 | -.246 | -.312 | -.512 | .05 | .021 | .006 | -.116 | -.197 | -.297 |
| .10 | -.078 | -.127 | -.302 | -.463 | -.545 | .10 | -.043 | -.040 | -.191 | -.341 | -.402 |
| .20 | -.132 | -.168 | -.284 | -.411 | -.397 | .20 | -.106 | -.098 | -.224 | -.315 | -.314 |
| .30 | -.159 | -.188 | -.296 | -.364 | -.265 | .30 | -.130 | -.133 | -.242 | -.310 | -.244 |
| .40 | -.159 | -.215 | -.273 | -.345 | -.265 | .40 | -.130 | -.180 | -.238 | -.294 | -.221 |
| .50 | -.116 | -.209 | -.290 | -.263 | -.207 | .50 | -.092 | -.184 | -.253 | -.232 | -.171 |
| .60 | -.096 | -.174 | -.327 | -.198 | -.091 | .60 | -.075 | -.147 | -.296 | -.184 | -.081 |
| .67 | | | -.411 | | | .67 | | | -.393 | | |
| .70 | -.055 | -.054 | | .051 | .093 | .70 | -.031 | -.042 | | .059 | .101 |
| .80 | .056 | | | .227 | .227 | .80 | .072 | | | .236 | .259 |
| .84 | | | -.250 | | | .84 | | | -.238 | | |
| .86 | | .126 | | | | .86 | | .138 | | | |
| .90 | | | | .296 | .282 | .90 | | | | .309 | .322 |
| .91 | .131 | | | | | .91 | .143 | | | | |
| .95 | .118 | .134 | .093 | .294 | .280 | .95 | .129 | .143 | .100 | .299 | .311 |

RUN = 514 POINT = 5

TABLE 90 CONTINUED

RUN = 514 POINT = 6

| (E) ALPHA = 2.64 DEGREES | | | | | | (F) ALPHA = 3.09 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.060 | .065 | .358 | .679 | .730 | 0.00 | -.082 | .017 | .331 | .650 | .720 |
| .05 | -.058 | -.664 | -.930 | .658 | -.628 | .05 | -.077 | -.725 | -1.098 | .652 | -.808 |
| .10 | -.359 | -.583 | -.863 | -.899 | -.496 | .10 | -.372 | -.631 | -.995 | -1.086 | -.612 |
| .20 | -.351 | -.479 | -.481 | -.749 | -.367 | .20 | -.370 | -.541 | -.540 | -.928 | -.374 |
| .30 | -.300 | -.455 | -.381 | -.365 | -.306 | .30 | -.325 | -.489 | -.397 | -.374 | -.332 |
| .40 | -.302 | -.363 | -.278 | -.320 | -.313 | .40 | -.319 | -.393 | -.292 | -.339 | -.334 |
| .50 | -.284 | -.284 | -.231 | -.289 | -.327 | .50 | -.305 | -.294 | -.246 | -.310 | -.343 |
| .60 | -.213 | -.198 | -.115 | -.280 | -.317 | .60 | -.234 | -.213 | -.122 | -.296 | -.328 |
| .67 | | | .010 | | | .67 | | | .007 | | |
| .70 | -.139 | -.167 | | -.278 | -.336 | .70 | -.153 | -.176 | | -.287 | -.343 |
| .80 | -.091 | | | -.299 | -.363 | .80 | -.100 | | | -.302 | -.362 |
| .84 | | | .026 | | | .84 | | | .027 | | |
| .86 | | -.099 | | | | .86 | | -.100 | | | |
| .90 | | | | -.301 | -.294 | .90 | | | | -.300 | -.280 |
| .91 | -.060 | | | | | .91 | -.063 | | | | |
| .95 | -.052 | -.076 | -.163 | -.121 | -.136 | .95 | -.055 | -.081 | -.168 | -.124 | -.126 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .040 | .092 | -.002 | -.132 | -.149 | .05 | .054 | .126 | .046 | -.046 | -.089 |
| .10 | -.016 | .043 | -.097 | -.214 | -.269 | .10 | -0.000 | .098 | -.054 | -.164 | -.200 |
| .20 | -.079 | -.019 | -.161 | -.231 | -.231 | .20 | -.059 | .044 | -.135 | -.197 | -.190 |
| .30 | -.095 | -.092 | -.192 | -.247 | -.201 | .30 | -.079 | -.075 | -.176 | -.211 | -.185 |
| .40 | -.103 | -.138 | -.186 | -.241 | -.174 | .40 | -.086 | -.110 | -.168 | -.219 | -.162 |
| .50 | -.062 | -.138 | -.225 | -.204 | -.157 | .50 | -.053 | -.131 | -.201 | -.186 | -.135 |
| .60 | -.050 | -.128 | -.272 | -.168 | -.063 | .60 | -.039 | -.104 | -.267 | -.160 | -.059 |
| .67 | | | -.359 | | | .67 | | | -.351 | | |
| .70 | -.012 | -.031 | | .062 | .100 | .70 | -.002 | -.019 | | .072 | .107 |
| .80 | .087 | | | .249 | .266 | .80 | .092 | | | .252 | .269 |
| .84 | | | -.177 | | | .84 | | | -.178 | | |
| .86 | | .148 | | | | .86 | | .149 | | | |
| .90 | | | | .316 | .327 | .90 | | | | .319 | .323 |
| .91 | .152 | | | | | .91 | .155 | | | | |
| .95 | .130 | .146 | .119 | .304 | .314 | .95 | .135 | .141 | .126 | .309 | .315 |

RUN = 514 POINT = 7

TABLE 90 CONTINUED

RUN = 514 POINT = 8

| (G) ALPHA = 3.60 DEGREES | | | | | | (H) ALPHA = 4.55 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.091 | -.042 | .271 | .610 | .719 | 0.00 | -.140 | -.128 | .161 | .554 | .699 |
| .05 | -.085 | -.776 | -1.272 | .610 | -.965 | .05 | -.132 | -1.032 | -1.450 | .554 | -1.186 |
| .10 | -.397 | -.737 | -1.155 | -1.166 | -.798 | .10 | -.459 | -.856 | -1.370 | -1.312 | -1.086 |
| .20 | -.399 | -.580 | -.670 | -1.034 | -.394 | .20 | -.440 | -.682 | -.824 | -1.237 | -.465 |
| .30 | -.346 | -.534 | -.410 | -.371 | -.367 | .30 | -.385 | -.633 | -.428 | -.828 | -.374 |
| .40 | -.338 | -.420 | -.295 | -.340 | -.361 | .40 | -.379 | -.498 | -.313 | -.353 | -.376 |
| .50 | -.322 | -.315 | -.258 | -.320 | -.359 | .50 | -.365 | -.350 | -.257 | -.320 | -.372 |
| .60 | -.253 | -.221 | -.124 | -.303 | -.338 | .60 | -.293 | -.247 | -.126 | -.300 | -.351 |
| .67 | | | -.004 | | | .67 | | | -.012 | | |
| .70 | -.174 | -.177 | | -.291 | -.344 | .70 | -.203 | -.189 | | -.296 | -.355 |
| .80 | -.115 | | | -.297 | -.355 | .80 | -.132 | | | -.286 | -.349 |
| .84 | | | .021 | | | .84 | | | .028 | | |
| .86 | | -.099 | | | | .86 | | -.093 | | | |
| .90 | | | | -.293 | -.271 | .90 | | | | -.277 | -.255 |
| .91 | -.073 | | | | | .91 | -.085 | | | | |
| .95 | -.057 | -.064 | -.165 | -.125 | -.117 | .95 | -.065 | -.058 | -.153 | -.107 | -.115 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .062 | .166 | .120 | 0.000 | -.010 | .05 | .083 | .227 | .203 | .089 | .108 |
| .10 | .015 | .145 | -.012 | -.090 | -.132 | .10 | .046 | .198 | .065 | -0.000 | -.032 |
| .20 | -.040 | .102 | -.100 | -.158 | -.157 | .20 | -.010 | .163 | -.041 | -.103 | -.077 |
| .30 | -.071 | -.052 | -.142 | -.198 | -.151 | .30 | -.030 | -.004 | -.096 | -.136 | -.092 |
| .40 | -.069 | -.095 | -.146 | -.196 | -.136 | .40 | -.038 | -.054 | -.125 | -.144 | -.096 |
| .50 | -.036 | -.107 | -.185 | -.175 | -.121 | .50 | -.006 | -.079 | -.148 | -.138 | -.092 |
| .60 | -.026 | -.095 | -.245 | -.149 | -.056 | .60 | -0.000 | -.068 | -.224 | -.123 | -.027 |
| .67 | | | -.311 | | | .67 | | | -.304 | | |
| .70 | .009 | -.011 | | .078 | .105 | .70 | .030 | .009 | | .085 | .126 |
| .80 | .096 | | | .263 | .273 | .80 | .118 | | | .268 | .285 |
| .84 | | | -.177 | | | .84 | | | -.173 | | |
| .86 | | .155 | | | | .86 | | .169 | | | |
| .90 | | | | .328 | .324 | .90 | | | | .333 | .335 |
| .91 | .159 | | | | | .91 | .175 | | | | |
| .95 | .133 | .141 | .116 | .315 | .301 | .95 | .146 | .148 | .147 | .317 | .314 |

| (I) ALPHA = 5.56 DEGREES | | | | | | (J) ALPHA = 7.51 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.198 | -.244 | .071 | .483 | .655 | 0.00 | -.318 | -.463 | -.121 | .366 | .584 |
| .05 | -.192 | -1.296 | -1.579 | .486 | -1.304 | .05 | -.299 | -1.519 | -1.401 | .364 | -1.370 |
| .10 | -.506 | -1.117 | -1.513 | -1.339 | -1.254 | .10 | -.675 | -1.492 | -1.343 | -.898 | -1.281 |
| .20 | -.479 | -.761 | -1.384 | -1.246 | -1.140 | .20 | -.583 | -1.094 | -1.157 | -.804 | -.823 |
| .30 | -.430 | -.717 | -.651 | -.837 | -.374 | .30 | -.497 | -.860 | -.995 | -.702 | -.615 |
| .40 | -.424 | -.578 | -.330 | -.554 | -.355 | .40 | -.489 | -.524 | -.874 | -.601 | -.499 |
| .50 | -.416 | -.385 | -.261 | -.401 | -.353 | .50 | -.491 | -.426 | -.725 | -.521 | -.432 |
| .60 | -.332 | -.263 | -.131 | -.329 | -.324 | .60 | -.391 | -.323 | -.604 | -.458 | -.380 |
| .67 | | | -.032 | | | .67 | | | -.516 | | |
| .70 | -.236 | -.201 | | -.294 | -.318 | .70 | -.301 | -.276 | | -.394 | -.332 |
| .80 | -.157 | | | -.228 | -.305 | .80 | -.226 | | | -.314 | -.286 |
| .84 | | | .025 | | | .84 | | | .019 | | |
| .86 | | -.100 | | | | .86 | | -.127 | | | |
| .90 | | | | -.238 | -.234 | .90 | | | | -.312 | -.221 |
| .91 | -.100 | | | | | .91 | -.155 | | | | |
| .95 | -.084 | -.040 | -.141 | -.100 | -.121 | .95 | -.126 | -.054 | -.127 | -.253 | -.171 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .275 | .294 | .177 | .200 | .05 | .107 | .344 | .416 | .247 | .297 |
| .10 | .076 | .249 | .140 | .086 | .047 | .10 | .111 | .336 | .240 | .193 | .135 |
| .20 | .027 | .209 | .022 | -.026 | -.023 | .20 | .086 | .302 | .109 | .065 | .041 |
| .30 | .007 | .040 | -.043 | -.082 | -.042 | .30 | .068 | .110 | .033 | -.022 | -.004 |
| .40 | -0.000 | -.007 | -.088 | -.100 | -.069 | .40 | .058 | .052 | -.010 | -.053 | -.043 |
| .50 | .023 | -.036 | -.119 | -.108 | -.062 | .50 | .076 | .015 | -.074 | -.098 | -.060 |
| .60 | .031 | -.036 | -.181 | -.106 | -.012 | .60 | .072 | 0.000 | -.156 | -.115 | -.027 |
| .67 | | | -.259 | | | .67 | | | -.234 | | |
| .70 | .052 | .029 | | .091 | .127 | .70 | .086 | .052 | | .058 | .104 |
| .80 | .137 | | | .269 | .295 | .80 | .160 | | | .232 | .272 |
| .84 | | | -.193 | | | .84 | | -.335 | | | |
| .86 | | .180 | | | | .86 | | .193 | | | |
| .90 | | | | .330 | .343 | .90 | | | | .293 | .314 |
| .91 | .186 | | | | | .91 | .201 | | | | |
| .95 | .164 | .151 | .171 | .315 | .328 | .95 | .172 | .154 | .144 | .251 | .293 |

RUN = 514 POINT = 12

TABLE 90

CONTINUED

RUN = 514 POINT = 13

| (K) ALPHA = 9.41 DEGREES | | | | | | (L) ALPHA = 11.32 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.422 | -.696 | -.315 | .249 | .505 | 0.00 | -.608 | -.914 | -.443 | .145 | .480 |
| .05 | -.440 | -1.576 | -1.104 | .262 | -.863 | .05 | -.606 | -1.549 | -.997 | .147 | -.534 |
| .10 | -.820 | -1.582 | -1.003 | -.746 | -.908 | .10 | -1.039 | -1.468 | -.954 | -.671 | -.515 |
| .20 | -.663 | -1.498 | -.946 | -.710 | -.734 | .20 | -.769 | -1.296 | -.936 | -.650 | -.507 |
| .30 | -.559 | -1.337 | -.862 | -.673 | -.676 | .30 | -.622 | -1.196 | -.907 | -.650 | -.500 |
| .40 | -.571 | -1.014 | -.842 | -.646 | -.521 | .40 | -.598 | -1.122 | -.860 | -.627 | -.473 |
| .50 | -.553 | -.471 | -.801 | -.556 | -.499 | .50 | -.492 | -1.038 | -.811 | -.599 | -.455 |
| .60 | -.424 | -.422 | -.756 | -.552 | -.440 | .60 | -.469 | -.907 | -.780 | -.576 | -.440 |
| .67 | | | -.717 | | | .67 | | | -.737 | | |
| .70 | -.369 | -.418 | | -.492 | -.391 | .70 | -.422 | -.766 | | -.562 | -.438 |
| .80 | -.322 | | | -.439 | -.366 | .80 | -.382 | | | -.529 | -.417 |
| .84 | | | .014 | | | .84 | | | .010 | | |
| .86 | | -.274 | | | | .86 | | -.557 | | | |
| .90 | | | | -.425 | -.330 | .90 | | | | -.525 | -.417 |
| .91 | -.235 | | | | | .91 | -.337 | | | | |
| .95 | -.184 | -.206 | -.510 | -.382 | -.303 | .95 | -.286 | -.467 | -.637 | -.488 | -.396 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .112 | .393 | .495 | .311 | .373 | .05 | .094 | .409 | .551 | .388 | .424 |
| .10 | .145 | .364 | .340 | .274 | .195 | .10 | .163 | .392 | .403 | .347 | .250 |
| .20 | .137 | .339 | .198 | .138 | .088 | .20 | .183 | .365 | .254 | .197 | .135 |
| .30 | .123 | .161 | .101 | .021 | .021 | .30 | .173 | .221 | .149 | .069 | .059 |
| .40 | .104 | .105 | .043 | -.015 | -.020 | .40 | .161 | .150 | .081 | .015 | -.013 |
| .50 | .123 | .056 | -.038 | -.089 | -.056 | .50 | .159 | .099 | .001 | -.066 | -.051 |
| .60 | .106 | .035 | -.129 | -.123 | -.041 | .60 | .144 | .057 | -.114 | -.124 | -.051 |
| .67 | | | -.221 | | | .67 | | | -.192 | | |
| .70 | .116 | .068 | | .042 | .075 | .70 | .142 | .082 | | .034 | .051 |
| .80 | .176 | | | .226 | .237 | .80 | .191 | | | .208 | .208 |
| .84 | | | -.427 | | | .84 | | | -.422 | | |
| .86 | | .194 | | | | .86 | | .185 | | | |
| .90 | | | | .270 | .283 | .90 | | | | .254 | .252 |
| .91 | .214 | | | | | .91 | .212 | | | | |
| .95 | .169 | .124 | .087 | .226 | .237 | .95 | .165 | .090 | .054 | .204 | .204 |

RUN = 514 POINT = 14

TABLE 90 CONCLUDED

| | (M) ALPHA = .01 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.026 | .276 | .569 | .729 | .595 |
| .05 | .012 | -.278 | -.295 | .727 | -.109 |
| .10 | -.211 | -.272 | -.361 | -.257 | -.117 |
| .20 | -.237 | -.264 | -.258 | -.224 | -.149 |
| .30 | -.199 | -.285 | -.233 | -.198 | -.161 |
| .40 | -.186 | -.223 | -.161 | -.177 | -.189 |
| .50 | -.176 | -.188 | -.144 | -.157 | -.203 |
| .60 | -.130 | -.126 | -.045 | -.169 | -.222 |
| .67 | | | .061 | | |
| .70 | -.079 | -.113 | | -.196 | -.254 |
| .80 | -.046 | | | -.266 | -.316 |
| .84 | | | .030 | | |
| .86 | | -.082 | | | |
| .90 | | | | -.268 | -.291 |
| .91 | -.036 | | | | |
| .95 | -.034 | -.089 | -.140 | -.163 | -.136 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.040 | -.173 | -.424 | -.558 | -.896 |
| .10 | -.115 | .012 | -.406 | -.599 | -.788 |
| .20 | -.170 | .164 | -.359 | -.514 | -.404 |
| .30 | -.197 | -.241 | -.342 | -.420 | -.308 |
| .40 | -.195 | -.258 | -.319 | -.363 | -.304 |
| .50 | -.152 | -.252 | -.326 | -.297 | -.226 |
| .60 | -.127 | -.196 | -.350 | -.231 | -.098 |
| .67 | | | -.255 | | |
| .70 | -.075 | -.066 | | .039 | .081 |
| .80 | .040 | | | .211 | .182 |
| .84 | | | -.169 | | |
| .86 | | .117 | | | |
| .90 | | | | .278 | .232 |
| .91 | .120 | | | | |
| .95 | .113 | .131 | .096 | .287 | .232 |

RUN = 513 POINT = 1

TABLE 91

WING PRESSURE COEFFICIENTS

RUN = 513 POINT = 2

| (A) ALPHA = -1.07 DEGREES | | | | | | (B) ALPHA = -0.00 DEGREES | | | | | |
|---------------------------|-------|-------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .004 | .302 | .617 | .727 | .584 | 0.00 | -.006 | .282 | .595 | .745 | .657 |
| .05 | .009 | -.134 | -.129 | .727 | .014 | .05 | -.002 | -.260 | -.262 | .743 | -.109 |
| .10 | -.164 | -.151 | -.230 | -.135 | -.038 | .10 | -.213 | -.248 | -.394 | -.315 | -.144 |
| .20 | -.192 | -.196 | -.198 | -.137 | -.084 | .20 | -.237 | -.252 | -.364 | -.283 | -.151 |
| .30 | -.160 | -.225 | -.187 | -.132 | -.116 | .30 | -.203 | -.296 | -.270 | -.225 | -.178 |
| .40 | -.157 | -.185 | -.125 | -.126 | -.152 | .40 | -.196 | -.253 | -.175 | -.193 | -.206 |
| .50 | -.155 | -.153 | -.119 | -.108 | -.182 | .50 | -.196 | -.204 | -.160 | -.157 | -.224 |
| .60 | -.102 | -.104 | -.034 | -.134 | -.201 | .60 | -.149 | -.138 | -.060 | -.173 | -.253 |
| .67 | | | .092 | | | .67 | | | .074 | | |
| .70 | -.050 | -.095 | | -.166 | -.253 | .70 | -.077 | -.124 | | -.198 | -.283 |
| .80 | -.031 | | | -.279 | -.368 | .80 | -.043 | | | -.317 | -.403 |
| .84 | | | .033 | | | .84 | | | .036 | | |
| .86 | | -.065 | | | | .86 | | -.077 | | | |
| .90 | | | | -.267 | -.288 | .90 | | | | -.304 | -.295 |
| .91 | -.027 | | | | | .91 | -.040 | | | | |
| .95 | -.034 | -.106 | -.176 | -.087 | -.093 | .95 | -.041 | -.104 | -.185 | -.095 | -.100 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.083 | -.300 | -.623 | -.606 | -.800 | .05 | -.045 | -.190 | -.407 | -.509 | -.703 |
| .10 | -.151 | -.202 | -.578 | -.840 | -.939 | .10 | -.111 | -.190 | -.428 | -.660 | -.838 |
| .20 | -.224 | -.051 | -.533 | -.777 | -.928 | .20 | -.190 | -.126 | -.423 | -.612 | -.792 |
| .30 | -.266 | -.345 | -.511 | -.698 | -.900 | .30 | -.220 | -.264 | -.441 | -.558 | -.721 |
| .40 | -.247 | -.368 | -.504 | -.707 | -.873 | .40 | -.213 | -.290 | -.428 | -.606 | -.687 |
| .50 | -.198 | -.417 | -.561 | -.741 | -.508 | .50 | -.164 | -.352 | -.381 | -.594 | -.224 |
| .60 | -.183 | -.332 | -.441 | -.169 | -.084 | .60 | -.154 | -.258 | -.412 | -.180 | -.045 |
| .67 | | | -.358 | | | .67 | | | -.362 | | |
| .70 | -.151 | -.115 | | -.040 | .072 | .70 | -.111 | -.092 | | .058 | .118 |
| .80 | -.019 | | | .005 | .195 | .80 | .012 | | | .132 | .255 |
| .84 | | | -.229 | | | .84 | | | -.203 | | |
| .86 | | .050 | | | | .86 | | .079 | | | |
| .90 | | | | .181 | .255 | .90 | | | | .208 | .322 |
| .91 | .084 | | | | | .91 | .106 | | | | |
| .95 | .092 | .086 | -.024 | .248 | .251 | .95 | .106 | .106 | .017 | .250 | .326 |

RUN = 513 POINT = 3

TABLE 91 CONTINUED

RUN = 513 POINT = 4

| (C) ALPHA = .91 DEGREES | | | | | | (D) ALPHA = 1.74 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.015 | .233 | .549 | .748 | .704 | 0.00 | -.027 | .189 | .501 | .739 | .730 |
| .05 | -.011 | -.363 | -.431 | .746 | -.259 | .05 | -.027 | -.451 | -.654 | .728 | -.464 |
| .10 | -.258 | -.344 | -.523 | -.568 | -.256 | .10 | -.312 | -.444 | -.661 | -.673 | -.418 |
| .20 | -.273 | -.361 | -.461 | -.455 | -.236 | .20 | -.318 | -.427 | -.560 | -.730 | -.297 |
| .30 | -.239 | -.377 | -.441 | -.271 | -.243 | .30 | -.265 | -.456 | -.578 | -.579 | -.279 |
| .40 | -.233 | -.329 | -.185 | -.219 | -.268 | .40 | -.273 | -.413 | -.298 | -.098 | -.288 |
| .50 | -.246 | -.243 | -.186 | -.201 | -.268 | .50 | -.292 | -.334 | -.177 | -.177 | -.332 |
| .60 | -.190 | -.156 | -.075 | -.212 | -.297 | .60 | -.243 | -.196 | -.074 | -.220 | -.350 |
| .67 | | | .062 | | | .67 | | | .064 | | |
| .70 | -.109 | -.139 | | -.236 | -.321 | .70 | -.145 | -.144 | | -.254 | -.382 |
| .80 | -.062 | | | -.345 | -.447 | .80 | -.085 | | | -.376 | -.426 |
| .84 | | | .034 | | | .84 | | | .029 | | |
| .86 | | -.081 | | | | .86 | | -.083 | | | |
| .90 | | | | -.336 | -.304 | .90 | | | | -.362 | -.265 |
| .91 | -.045 | | | | | .91 | -.055 | | | | |
| .95 | -.041 | -.096 | -.192 | -.099 | -.095 | .95 | -.047 | -.083 | -.189 | -.116 | -.086 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.015 | -.083 | -.239 | -.363 | -.560 | .05 | .010 | -.002 | -.132 | -.252 | -.343 |
| .10 | -.081 | -.111 | -.295 | -.503 | -.683 | .10 | -.047 | -.038 | -.213 | -.376 | -.515 |
| .20 | -.158 | -.117 | -.334 | -.462 | -.607 | .20 | -.128 | -.070 | -.268 | -.376 | -.474 |
| .30 | -.182 | -.189 | -.351 | -.453 | -.543 | .30 | -.155 | -.145 | -.283 | -.383 | -.437 |
| .40 | -.173 | -.237 | -.342 | -.519 | -.527 | .40 | -.141 | -.191 | -.283 | -.468 | -.226 |
| .50 | -.132 | -.273 | -.336 | -.550 | -.176 | .50 | -.100 | -.223 | -.306 | -.524 | -.180 |
| .60 | -.117 | -.211 | -.377 | -.146 | -.068 | .60 | -.085 | -.183 | -.364 | -.131 | -.079 |
| .67 | | | -.363 | | | .67 | | | -.365 | | |
| .70 | -.081 | -.072 | | .083 | .113 | .70 | -.051 | -.055 | | .096 | .110 |
| .80 | .038 | | | .190 | .266 | .80 | .056 | | | .221 | .262 |
| .84 | | | -.198 | | | .84 | | | -.243 | | |
| .86 | | .104 | | | | .86 | | .117 | | | |
| .90 | | | | .250 | .340 | .90 | | | | .290 | .329 |
| .91 | .126 | | | | | .91 | .141 | | | | |
| .95 | .119 | .123 | .043 | .271 | .333 | .95 | .128 | .128 | .043 | .295 | .320 |

RUN = 513 POINT = 5

TABLE 91 CONTINUED

RUN = 513 POINT = 6

| (E) ALPHA = 2.68 DEGREES | | | | | | (F) ALPHA = 3.18 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .127 | .459 | .716 | .734 | 0.00 | -.059 | .084 | .416 | .699 | .735 |
| .05 | -.044 | -.614 | -.864 | .718 | -.682 | .05 | -.057 | -.712 | -.940 | .703 | -.723 |
| .10 | -.376 | -.556 | -.832 | -.767 | -.704 | .10 | -.415 | -.646 | -.921 | -.828 | -.778 |
| .20 | -.348 | -.490 | -.702 | -.839 | -.654 | .20 | -.380 | -.526 | -.797 | -.878 | -.751 |
| .30 | -.308 | -.521 | -.661 | -.792 | -.498 | .30 | -.327 | -.551 | -.700 | -.847 | -.682 |
| .40 | -.308 | -.491 | -.510 | -.706 | -.155 | .40 | -.327 | -.561 | -.579 | -.806 | -.640 |
| .50 | -.342 | -.433 | -.271 | -.279 | -.268 | .50 | -.352 | -.472 | -.486 | -.747 | -.164 |
| .60 | -.305 | -.298 | -.076 | -.139 | -.332 | .60 | -.329 | -.365 | -.100 | -.205 | -.239 |
| .67 | | | .064 | | | .67 | | | .050 | | |
| .70 | -.205 | -.173 | | -.191 | -.380 | .70 | -.241 | -.196 | | -.170 | -.322 |
| .80 | -.121 | | | -.338 | -.523 | .80 | -.151 | | | -.313 | -.474 |
| .84 | | | .037 | | | .84 | | | .037 | | |
| .86 | | -.078 | | | | .86 | | -.082 | | | |
| .90 | | | | -.317 | -.254 | .90 | | | | -.309 | -.283 |
| .91 | -.068 | | | | | .91 | -.083 | | | | |
| .95 | -.053 | -.061 | -.172 | -.133 | -.084 | .95 | -.065 | -.048 | -.157 | -.139 | -.092 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .034 | .073 | -.006 | -.144 | -.189 | .05 | .048 | .112 | .049 | -.096 | -.118 |
| .10 | -.017 | .035 | -.133 | -.252 | -.387 | .10 | -.001 | .093 | -.060 | -.189 | -.292 |
| .20 | -.089 | -.011 | -.180 | -.299 | -.336 | .20 | -.072 | .048 | -.152 | -.254 | -.263 |
| .30 | -.115 | -.096 | -.216 | -.311 | -.272 | .30 | -.089 | -.069 | -.184 | -.283 | -.230 |
| .40 | -.106 | -.147 | -.221 | -.394 | -.214 | .40 | -.083 | -.117 | -.189 | -.349 | -.187 |
| .50 | -.068 | -.166 | -.255 | -.331 | -.168 | .50 | -.048 | -.146 | -.225 | -.177 | -.154 |
| .60 | -.053 | -.151 | -.325 | -.148 | -.067 | .60 | -.038 | -.130 | -.308 | -.150 | -.051 |
| .67 | | | -.352 | | | .67 | | | -.345 | | |
| .70 | -.023 | -.038 | | .098 | .119 | .70 | -.009 | -.029 | | .104 | .136 |
| .80 | .083 | | | .251 | .286 | .80 | .095 | | | .264 | .290 |
| .84 | | | -.212 | | | .84 | | | -.195 | | |
| .86 | | .138 | | | | .86 | | .143 | | | |
| .90 | | | | .316 | .344 | .90 | | | | .329 | .354 |
| .91 | .154 | | | | | .91 | .162 | | | | |
| .95 | .139 | .136 | .080 | .318 | .332 | .95 | .144 | .143 | .101 | .329 | .338 |

| (G) ALPHA = 3.71 DEGREES | | | | | | (H) ALPHA = 4.71 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .045 | .384 | .689 | .733 | 0.00 | -.115 | -.045 | .304 | .647 | .726 |
| .05 | -.077 | -.833 | -1.015 | .687 | -.760 | .05 | -.113 | -1.004 | -1.113 | .650 | -.831 |
| .10 | -.432 | -.713 | -1.024 | -.876 | -.814 | .10 | -.489 | -.935 | -1.151 | -.953 | -.896 |
| .20 | -.409 | -.569 | -.921 | -.928 | -.804 | .20 | -.457 | -.632 | -1.079 | -1.000 | -.884 |
| .30 | -.340 | -.581 | -.733 | -.908 | -.784 | .30 | -.358 | -.633 | -.914 | -.995 | -.861 |
| .40 | -.355 | -.588 | -.650 | -.881 | -.726 | .40 | -.382 | -.650 | -.710 | -.970 | -.870 |
| .50 | -.362 | -.523 | -.588 | -.811 | -.689 | .50 | -.401 | -.590 | -.695 | -.943 | -.863 |
| .60 | -.355 | -.416 | -.153 | -.474 | -.417 | .60 | -.397 | -.545 | -.462 | -.805 | -.801 |
| .67 | | | .020 | | | .67 | | | -.032 | | |
| .70 | -.289 | -.271 | | -.232 | -.254 | .70 | -.356 | -.368 | | -.669 | -.773 |
| .80 | -.192 | | | -.286 | -.390 | .80 | -.263 | | | -.246 | -.211 |
| .84 | | | .033 | | | .84 | | | .035 | | |
| .86 | | -.083 | | | | .86 | | -.096 | | | |
| .90 | | | | -.280 | -.270 | .90 | | | | -.246 | -.162 |
| .91 | -.096 | | | | | .91 | -.156 | | | | |
| .95 | -.075 | -.040 | -.145 | -.130 | -.095 | .95 | -.111 | -.040 | -.137 | -.079 | -.063 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .060 | .153 | .102 | -.042 | -.060 | .05 | .084 | .221 | .210 | .048 | .048 |
| .10 | .011 | .132 | -.019 | -.144 | -.217 | .10 | .043 | .196 | .059 | -.047 | -.111 |
| .20 | -.051 | .096 | -.110 | -.218 | -.220 | .20 | -.008 | .149 | -.040 | -.146 | -.134 |
| .30 | -.074 | -.049 | -.162 | -.253 | -.194 | .30 | -.036 | -.002 | -.103 | -.196 | -.137 |
| .40 | -.066 | -.098 | -.164 | -.320 | -.160 | .40 | -.034 | -.051 | -.135 | -.253 | -.118 |
| .50 | -.032 | -.124 | -.196 | -.191 | -.132 | .50 | .004 | -.085 | -.169 | -.178 | -.097 |
| .60 | -.023 | -.115 | -.148 | -.148 | -.037 | .60 | .004 | -.083 | -.253 | -.132 | -.017 |
| .67 | | | -.336 | | | .67 | | | -.328 | | |
| .70 | .004 | -.019 | | .110 | .140 | .70 | .030 | -0.000 | | .117 | .155 |
| .80 | .103 | | | .278 | .300 | .80 | .118 | | | .289 | .308 |
| .84 | | | -.166 | | | .84 | | | -.182 | | |
| .86 | | .155 | | | | .86 | | .168 | | | |
| .90 | | | | .345 | .361 | .90 | | | | .354 | .369 |
| .91 | .167 | | | | | .91 | .181 | | | | |
| .95 | .144 | .145 | .109 | .340 | .351 | .95 | .153 | .137 | .139 | .348 | .357 |

RUN = 513 POINT = 9

TABLE 91 CONTINUED

RUN = 513 POINT = 10

| (I) ALPHA = 5.81 DEGREES | | | | | | (J) ALPHA = 7.81 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.132 | .226 | .600 | .709 | 0.00 | -.268 | -.300 | .067 | .497 | .657 |
| .05 | -.170 | -1.176 | -1.214 | .598 | -.949 | .05 | -.279 | -1.273 | -1.348 | .493 | -1.088 |
| .10 | -.567 | -1.109 | -1.250 | -1.048 | -.990 | .10 | -.680 | -1.252 | -1.328 | -1.192 | -1.130 |
| .20 | -.505 | -.713 | -1.197 | -1.086 | -.976 | .20 | -.564 | -1.108 | -1.309 | -1.218 | -1.106 |
| .30 | -.397 | -.687 | -1.147 | -1.073 | -.951 | .30 | -.461 | -.998 | -1.262 | -1.184 | -1.030 |
| .40 | -.410 | -.692 | -.809 | -1.061 | -.949 | .40 | -.453 | -.870 | -1.090 | -1.130 | -.973 |
| .50 | -.438 | -.638 | -.741 | -1.032 | -.919 | .50 | -.498 | -.745 | -.891 | -1.021 | -.696 |
| .60 | -.436 | -.623 | -.668 | -.926 | -.878 | .60 | -.506 | -.683 | -.664 | -.665 | -.465 |
| .67 | | | -.146 | | | .67 | | | -.499 | | |
| .70 | -.415 | -.527 | | -.885 | -.601 | .70 | -.502 | -.628 | | -.602 | -.368 |
| .80 | -.346 | | | -.373 | -.292 | .80 | -.453 | | | -.416 | -.328 |
| .84 | | | .027 | | | .84 | | | .028 | | |
| .86 | | -.120 | | | | .86 | | -.167 | | | |
| .90 | | | | -.297 | -.156 | .90 | | | | -.405 | -.280 |
| .91 | -.217 | | | | | .91 | -.326 | | | | |
| .95 | -.183 | -.058 | -.159 | -.080 | -.096 | .95 | -.274 | -.094 | -.139 | -.326 | -.269 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .277 | .281 | .122 | .125 | .05 | .120 | .355 | .413 | .247 | .271 |
| .10 | .076 | .252 | .131 | .035 | -.029 | .10 | .123 | .321 | .247 | .173 | .096 |
| .20 | .024 | .209 | .015 | -.071 | -.080 | .20 | .090 | .270 | .114 | .048 | .008 |
| .30 | .005 | .044 | -.054 | -.145 | -.096 | .30 | .075 | .124 | .035 | -.053 | -.037 |
| .40 | .003 | -.016 | -.111 | -.188 | -.099 | .40 | .079 | .056 | -.015 | -.099 | -.081 |
| .50 | .029 | -.048 | -.129 | -.161 | -.099 | .50 | .092 | .020 | -.070 | -.135 | -.100 |
| .60 | .035 | -.056 | -.229 | -.124 | -.034 | .60 | .084 | -.004 | -.167 | -.128 | -.067 |
| .67 | | | -.295 | | | .67 | | | -.255 | | |
| .70 | .054 | .019 | | .107 | .123 | .70 | .097 | .054 | | .071 | .078 |
| .80 | .134 | | | .281 | .286 | .80 | .172 | | | .248 | .248 |
| .84 | | | -.242 | | | .84 | | | -.407 | | |
| .86 | | .175 | | | | .86 | | .190 | | | |
| .90 | | | | .344 | .341 | .90 | | | | .304 | .299 |
| .91 | .190 | | | | | .91 | .207 | | | | |
| .95 | .158 | .137 | .154 | .327 | .321 | .95 | .172 | .134 | .142 | .308 | .264 |

| (K) ALPHA = 9.62 DEGREES | | | | | | (L) ALPHA = 11.52 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.370 | -.465 | -.078 | .392 | .600 | 0.00 | -.514 | -.654 | -.264 | .268 | .547 |
| .05 | -.394 | -1.277 | -1.028 | .397 | -1.185 | .05 | -.516 | -1.303 | -1.038 | .266 | -.660 |
| .10 | -.850 | -1.278 | -1.028 | -.751 | -1.213 | .10 | -1.032 | -1.305 | -1.038 | -.682 | -.604 |
| .20 | -.587 | -1.250 | -.976 | -.705 | -1.145 | .20 | -.772 | -1.305 | -.965 | -.678 | -.570 |
| .30 | -.510 | -1.242 | -.894 | -.680 | -1.074 | .30 | -.516 | -1.366 | -.856 | -.665 | -.553 |
| .40 | -.506 | -1.137 | -.783 | -.637 | -.864 | .40 | -.519 | -1.328 | -.811 | -.653 | -.523 |
| .50 | -.546 | -.946 | -.736 | -.621 | -.669 | .50 | -.566 | -.952 | -.781 | -.651 | -.521 |
| .60 | -.549 | -.816 | -.704 | -.610 | -.600 | .60 | -.589 | -.865 | -.759 | -.639 | -.502 |
| .67 | | | -.670 | | | .67 | | | -.736 | | |
| .70 | -.475 | -.698 | | -.579 | -.542 | .70 | -.456 | -.800 | | -.630 | -.491 |
| .80 | -.297 | | | -.515 | -.480 | .80 | -.200 | | | -.596 | -.486 |
| .84 | | | .019 | | | .84 | | | .014 | | |
| .86 | | -.494 | | | | .86 | | -.661 | | | |
| .90 | | | | -.510 | -.403 | .90 | | | | -.608 | -.464 |
| .91 | -.368 | | | | | .91 | -.357 | | | | |
| .95 | -.325 | -.429 | -.545 | -.444 | -.362 | .95 | -.362 | -.601 | -.682 | -.562 | -.456 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .126 | .401 | .491 | .276 | .338 | .05 | .117 | .428 | .558 | .398 | .421 |
| .10 | .152 | .376 | .333 | .251 | .169 | .10 | .178 | .406 | .405 | .330 | .249 |
| .20 | .139 | .327 | .184 | .102 | .052 | .20 | .193 | .370 | .259 | .188 | .116 |
| .30 | .135 | .174 | .091 | -.015 | -.010 | .30 | .186 | .239 | .159 | .052 | .044 |
| .40 | .120 | .115 | .036 | -.077 | -.063 | .40 | .177 | .165 | .086 | -.020 | -.024 |
| .50 | .137 | .066 | -.040 | -.141 | -.096 | .50 | .182 | .104 | .004 | -.105 | -.075 |
| .60 | .124 | .026 | -.154 | -.160 | -.068 | .60 | .165 | .065 | -.118 | -.140 | -.073 |
| .67 | | | -.224 | | | .67 | | | -.190 | | |
| .70 | .122 | .060 | | .047 | .068 | .70 | .158 | .084 | | .047 | .049 |
| .80 | .181 | | | .229 | .239 | .80 | .205 | | | .231 | .221 |
| .84 | | | -.445 | | | .84 | | | -.429 | | |
| .86 | | .181 | | | | .86 | | .182 | | | |
| .90 | | | | .285 | .299 | .90 | | | | .286 | .272 |
| .91 | .215 | | | | | .91 | .223 | | | | |
| .95 | .165 | .083 | .071 | .267 | .259 | .95 | .171 | .070 | .038 | .243 | .228 |

RUN = 513 POINT = 13

TABLE 91 CONCLUDED

| | (M) ALPHA = -.05 DEGREES | | | | |
|------|--------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .279 | .594 | .749 | .646 |
| .05 | -0.000 | -.247 | -.251 | .748 | -.106 |
| .10 | -.206 | -.237 | -.360 | -.294 | -.147 |
| .20 | -.230 | -.243 | -.292 | -.276 | -.151 |
| .30 | -.198 | -.273 | -.279 | -.220 | -.179 |
| .40 | -.200 | -.247 | -.170 | -.188 | -.209 |
| .50 | -.196 | -.199 | -.161 | -.148 | -.228 |
| .60 | -.146 | -.131 | -.058 | -.168 | -.251 |
| .67 | | | .074 | | |
| .70 | -.078 | -.118 | | -.195 | -.283 |
| .80 | -.046 | | | -.313 | -.403 |
| .84 | | | .040 | | |
| .86 | | -.074 | | | |
| .90 | | | | -.301 | -.297 |
| .91 | -.039 | | | | |
| .95 | -.043 | -.103 | -.183 | -.152 | -.101 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.048 | -.185 | -.421 | -.517 | -.698 |
| .10 | -.112 | .009 | -.426 | -.659 | -.841 |
| .20 | -.192 | .165 | -.426 | -.607 | -.807 |
| .30 | -.221 | -.258 | -.433 | -.569 | -.761 |
| .40 | -.213 | -.294 | -.430 | -.609 | -.670 |
| .50 | -.161 | -.350 | -.381 | -.609 | -.274 |
| .60 | -.149 | -.268 | -.412 | -.179 | -.043 |
| .67 | | | -.274 | | |
| .70 | -.114 | -.091 | | .058 | .123 |
| .80 | .009 | | | .128 | .251 |
| .84 | | | -.200 | | |
| .86 | | .083 | | | |
| .90 | | | | .209 | .326 |
| .91 | .111 | | | | |
| .95 | .106 | .106 | .029 | .254 | .321 |

RUN = 512 POINT = 1

TABLE 92

WING PRESSURE COEFFICIENTS

RUN = 512 POINT = 2

| (A) ALPHA = -1.09 DEGREES | | | | | | (B) ALPHA = .01 DEGREES | | | | | |
|---------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .018 | .305 | .626 | .738 | .609 | 0.00 | .004 | .277 | .601 | .753 | .675 |
| .05 | .018 | -.129 | -.119 | .746 | .009 | .05 | .008 | -.250 | -.265 | .758 | -.133 |
| .10 | -.167 | -.137 | -.220 | -.138 | -.058 | .10 | -.214 | -.240 | -.396 | -.377 | -.149 |
| .20 | -.176 | -.188 | -.195 | -.159 | -.093 | .20 | -.242 | -.285 | -.377 | -.316 | -.170 |
| .30 | -.167 | -.218 | -.203 | -.145 | -.125 | .30 | -.205 | -.325 | -.302 | -.251 | -.182 |
| .40 | -.161 | -.197 | -.128 | -.140 | -.160 | .40 | -.207 | -.291 | -.163 | -.204 | -.217 |
| .50 | -.154 | -.160 | -.128 | -.122 | -.195 | .50 | -.209 | -.200 | -.181 | -.160 | -.235 |
| .60 | -.109 | -.108 | -.035 | -.127 | -.220 | .60 | -.155 | -.142 | -.060 | -.172 | -.271 |
| .67 | | | .092 | | | .67 | | | .077 | | |
| .70 | -.046 | -.100 | | -.164 | -.262 | .70 | -.082 | -.123 | | -.206 | -.305 |
| .80 | -.024 | | | -.316 | -.379 | .80 | -.043 | | | -.334 | -.442 |
| .84 | | | .037 | | | .84 | | | .036 | | |
| .86 | | -.065 | | | | .86 | | -.073 | | | |
| .90 | | | | -.293 | -.323 | .90 | | | | -.315 | -.292 |
| .91 | -.031 | | | | | .91 | -.041 | | | | |
| .95 | -.035 | -.117 | -.194 | -.077 | -.071 | .95 | -.041 | -.110 | -.207 | -.083 | -.098 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.087 | -.298 | -.629 | -.568 | -.755 | .05 | -.043 | -.177 | -.386 | -.468 | -.650 |
| .10 | -.148 | -.205 | -.543 | -.785 | -.879 | .10 | -.112 | -.187 | -.423 | -.628 | -.783 |
| .20 | -.225 | -.052 | -.527 | -.764 | -.890 | .20 | -.190 | -.127 | -.423 | -.599 | -.755 |
| .30 | -.294 | -.333 | -.506 | -.700 | -.863 | .30 | -.242 | -.254 | -.437 | -.569 | -.726 |
| .40 | -.236 | -.348 | -.511 | -.716 | -.867 | .40 | -.209 | -.295 | -.437 | -.613 | -.687 |
| .50 | -.197 | -.441 | -.620 | -.741 | -.758 | .50 | -.160 | -.356 | -.498 | -.667 | -.627 |
| .60 | -.186 | -.395 | -.526 | -.214 | -.183 | .60 | -.149 | -.295 | -.428 | -.207 | -.094 |
| .67 | | | -.405 | | | .67 | | | -.400 | | |
| .70 | -.169 | -.139 | | -.123 | -.018 | .70 | -.118 | -.103 | | -.056 | .076 |
| .80 | -.029 | | | -.104 | .142 | .80 | .008 | | | -.010 | .217 |
| .84 | | | -.280 | | | .84 | | | -.267 | | |
| .86 | | .043 | | | | .86 | | .076 | | | |
| .90 | | | | .033 | .217 | .90 | | | | .205 | .332 |
| .91 | .077 | | | | | .91 | .102 | | | | |
| .95 | .085 | .082 | -.024 | .126 | .237 | .95 | .104 | .100 | .004 | .292 | .332 |

RUN = 512 POINT = 3

TABLE 92 CONTINUED

RUN = 512 POINT = 4

| (C) ALPHA = .92 DEGREES | | | | | | (D) ALPHA = 1.74 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.002 | .238 | .557 | .747 | .711 | 0.00 | -.021 | .205 | .516 | .738 | .725 |
| .05 | -0.000 | -.352 | -.438 | .747 | -.284 | .05 | -.017 | -.445 | -.636 | .740 | -.512 |
| .10 | -.272 | -.355 | -.535 | -.551 | -.273 | .10 | -.319 | -.438 | -.634 | -.636 | -.531 |
| .20 | -.281 | -.352 | -.475 | -.578 | -.245 | .20 | -.325 | -.405 | -.571 | -.698 | -.409 |
| .30 | -.244 | -.403 | -.513 | -.412 | -.236 | .30 | -.278 | -.467 | -.587 | -.636 | -.110 |
| .40 | -.246 | -.362 | -.293 | -.110 | -.268 | .40 | -.275 | -.452 | -.396 | -.564 | -.215 |
| .50 | -.255 | -.306 | -.174 | -.188 | -.289 | .50 | -.299 | -.357 | -.314 | -.089 | -.314 |
| .60 | -.199 | -.175 | -.069 | -.206 | -.306 | .60 | -.256 | -.246 | -.056 | -.131 | -.346 |
| .67 | | | .070 | | | .67 | | | .081 | | |
| .70 | -.121 | -.135 | | -.236 | -.338 | .70 | -.165 | -.156 | | -.186 | -.382 |
| .80 | -.065 | | | -.361 | -.478 | .80 | -.099 | | | -.338 | -.527 |
| .84 | | | .032 | | | .84 | | | .034 | | |
| .86 | | -.079 | | | | .86 | | -.077 | | | |
| .90 | | | | -.345 | -.292 | .90 | | | | -.337 | -.201 |
| .91 | -.049 | | | | | .91 | -.060 | | | | |
| .95 | -.045 | -.095 | -.211 | -.091 | -.093 | .95 | -.049 | -.077 | -.192 | -.106 | -.063 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.012 | -.088 | -.247 | -.336 | -.518 | .05 | .012 | -.008 | -.104 | -.250 | -.340 |
| .10 | -.080 | -.121 | -.304 | -.506 | -.653 | .10 | -.049 | -.043 | -.206 | -.346 | -.515 |
| .20 | -.160 | -.123 | -.320 | -.494 | -.606 | .20 | -.132 | -.077 | -.269 | -.392 | -.487 |
| .30 | -.196 | -.192 | -.362 | -.478 | -.560 | .30 | -.162 | -.145 | -.303 | -.393 | -.440 |
| .40 | -.175 | -.244 | -.364 | -.531 | -.557 | .40 | -.147 | -.192 | -.299 | -.475 | -.480 |
| .50 | -.125 | -.308 | -.354 | -.533 | -.480 | .50 | -.095 | -.229 | -.299 | -.505 | -.174 |
| .60 | -.117 | -.233 | -.389 | -.224 | -.063 | .60 | -.086 | -.194 | -.354 | -.157 | -.070 |
| .67 | | | -.396 | | | .67 | | | -.383 | | |
| .70 | -.086 | -.079 | | .045 | .107 | .70 | -.052 | -.060 | | .091 | .114 |
| .80 | .036 | | | .118 | .255 | .80 | .060 | | | .182 | .263 |
| .84 | | | -.256 | | | .84 | | | -.241 | | |
| .86 | | .100 | | | | .86 | | .117 | | | |
| .90 | | | | .200 | .346 | .90 | | | | .239 | .340 |
| .91 | .123 | | | | | .91 | .143 | | | | |
| .95 | .115 | .109 | .019 | .247 | .351 | .95 | .132 | .122 | .036 | .267 | .333 |

| (E) ALPHA = 2.71 DEGREES | | | | | | (F) ALPHA = 3.24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.046 | .144 | .461 | .723 | .742 | 0.00 | -.061 | .104 | .422 | .711 | .737 |
| .05 | -.042 | -.641 | -.826 | .721 | -.626 | .05 | -.058 | -.691 | -.906 | .710 | -.678 |
| .10 | -.372 | -.561 | -.815 | -.728 | -.673 | .10 | -.400 | -.612 | -.928 | -.774 | -.718 |
| .20 | -.374 | -.487 | -.709 | -.786 | -.656 | .20 | -.399 | -.510 | -.802 | -.838 | -.719 |
| .30 | -.289 | -.505 | -.659 | -.754 | -.630 | .30 | -.304 | -.537 | -.683 | -.813 | -.702 |
| .40 | -.318 | -.519 | -.564 | -.747 | -.600 | .40 | -.332 | -.548 | -.613 | -.804 | -.704 |
| .50 | -.326 | -.454 | -.523 | -.708 | -.340 | .50 | -.341 | -.489 | -.572 | -.783 | -.702 |
| .60 | -.307 | -.365 | -.159 | -.277 | -.139 | .60 | -.334 | -.435 | -.283 | -.609 | -.623 |
| .67 | | | .039 | | | .67 | | | -.002 | | |
| .70 | -.239 | -.271 | | -.167 | -.273 | .70 | -.280 | -.331 | | -.257 | -.152 |
| .80 | -.151 | | | -.292 | -.436 | .80 | -.200 | | | -.282 | -.361 |
| .84 | | | .035 | | | .84 | | | .034 | | |
| .86 | | -.081 | | | | .86 | | -.095 | | | |
| .90 | | | | -.295 | -.340 | .90 | | | | -.282 | -.283 |
| .91 | -.088 | | | | | .91 | -.117 | | | | |
| .95 | -.068 | -.061 | -.167 | -.116 | -.086 | .95 | -.089 | -.049 | -.158 | -.122 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .036 | .073 | .003 | -.151 | -.186 | .05 | .050 | .122 | .050 | -.105 | -.120 |
| .10 | -.018 | .033 | -.116 | -.245 | -.403 | .10 | -0.000 | .092 | -.069 | -.211 | -.339 |
| .20 | -.092 | -.014 | -.189 | -.306 | -.366 | .20 | -.073 | .047 | -.147 | -.271 | -.321 |
| .30 | -.120 | -.107 | -.222 | -.316 | -.366 | .30 | -.099 | -.071 | -.195 | -.287 | -.278 |
| .40 | -.103 | -.142 | -.235 | -.405 | -.163 | .40 | -.084 | -.128 | -.206 | -.370 | -.182 |
| .50 | -.062 | -.183 | -.263 | -.483 | -.149 | .50 | -.043 | -.154 | -.248 | -.466 | -.141 |
| .60 | -.051 | -.157 | -.336 | -.107 | -.057 | .60 | -.037 | -.143 | -.322 | -.103 | -.044 |
| .67 | | | -.375 | | | .67 | | | -.365 | | |
| .70 | -.020 | -.042 | | .115 | .136 | .70 | -.006 | -.032 | | .122 | .141 |
| .80 | .081 | | | .236 | .288 | .80 | .093 | | | .254 | .299 |
| .84 | | | -.249 | | | .84 | | | -.246 | | |
| .86 | | .136 | | | | .86 | | .139 | | | |
| .90 | | | | .300 | .344 | .90 | | | | .315 | .358 |
| .91 | .158 | | | | | .91 | .159 | | | | |
| .95 | .140 | .123 | .069 | .313 | .337 | .95 | .141 | .122 | .077 | .325 | .345 |

RUN = 512 POINT = 7

TABLE 92 CONTINUED

RUN = 512 POINT = 8

| (G) ALPHA = 3.74 DEGREES | | | | | | (H) ALPHA = 4.70 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | .066 | .404 | .697 | .738 | 0.00 | -.112 | -.008 | .335 | .669 | .733 |
| .05 | -.073 | -.791 | -.943 | .695 | -.696 | .05 | -.110 | -.992 | -1.051 | .662 | -.774 |
| .10 | -.445 | -.680 | -.967 | -.825 | -.747 | .10 | -.500 | -.905 | -1.086 | -.902 | -.839 |
| .20 | -.412 | -.554 | -.878 | -.876 | -.740 | .20 | -.448 | -.598 | -1.014 | -.939 | -.828 |
| .30 | -.323 | -.553 | -.702 | -.855 | -.736 | .30 | -.358 | -.610 | -.862 | -.932 | -.814 |
| .40 | -.338 | -.578 | -.642 | -.848 | -.738 | .40 | -.367 | -.623 | -.671 | -.925 | -.816 |
| .50 | -.351 | -.515 | -.616 | -.830 | -.754 | .50 | -.387 | -.566 | -.679 | -.904 | -.830 |
| .60 | -.347 | -.466 | -.457 | -.712 | -.761 | .60 | -.382 | -.551 | -.619 | -.911 | -.832 |
| .67 | | | -.055 | | | .67 | | | -.153 | | |
| .70 | -.306 | -.385 | | -.600 | -.700 | .70 | -.354 | -.473 | | -.867 | -.779 |
| .80 | -.231 | | | -.273 | -.274 | .80 | -.291 | | | -.453 | -.650 |
| .84 | | | .033 | | | .84 | | | .034 | | |
| .86 | | -.109 | | | | .86 | | -.140 | | | |
| .90 | | | | -.273 | -.217 | .90 | | | | -.292 | -.307 |
| .91 | -.142 | | | | | .91 | -.219 | | | | |
| .95 | -.116 | -.044 | -.161 | -.102 | -.084 | .95 | -.167 | -.060 | -.179 | -.085 | -.128 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .151 | .090 | -.050 | -.079 | .05 | .087 | .219 | .196 | .044 | .011 |
| .10 | .014 | .129 | -.017 | -.155 | -.280 | .10 | .041 | .185 | .055 | -.059 | -.150 |
| .20 | -.053 | .091 | -.112 | -.231 | -.274 | .20 | -.016 | .142 | -.050 | -.165 | -.176 |
| .30 | -.077 | -.042 | -.176 | -.252 | -.219 | .30 | -.036 | -.005 | -.122 | -.209 | -.175 |
| .40 | -.059 | -.094 | -.183 | -.347 | -.161 | .40 | -.029 | -.060 | -.161 | -.301 | -.142 |
| .50 | -.027 | -.131 | -.225 | -.438 | -.135 | .50 | .006 | -.080 | -.179 | -.234 | -.117 |
| .60 | -.022 | -.114 | -.310 | -.102 | -.032 | .60 | .006 | -.084 | -.278 | -.133 | -.035 |
| .67 | | | -.351 | | | .67 | | | -.349 | | |
| .70 | .005 | -.024 | | .121 | .154 | .70 | .026 | -.008 | | .115 | .141 |
| .80 | .099 | | | .262 | .310 | .80 | .112 | | | .279 | .297 |
| .84 | | | -.202 | | | .84 | | | -.225 | | |
| .86 | | .149 | | | | .86 | | .155 | | | |
| .90 | | | | .331 | .372 | .90 | | | | .345 | .354 |
| .91 | .169 | | | | | .91 | .175 | | | | |
| .95 | .145 | .129 | .100 | .334 | .371 | .95 | .146 | .125 | .146 | .343 | .336 |

RUN = 512 POINT = 9

TABLE 92 CONTINUED

RUN = 512 POINT = 10

| (I) ALPHA = 5.82 DEGREES | | | | | | (J) ALPHA = 7.83 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.142 | -.103 | .255 | .621 | .722 | 0.00 | -.262 | -.269 | .115 | .516 | .675 |
| .05 | -.162 | -1.124 | -1.141 | .626 | -.861 | .05 | -.265 | -1.233 | -1.282 | .528 | -1.005 |
| .10 | -.537 | -1.072 | -1.193 | -.965 | -.917 | .10 | -.692 | -1.201 | -1.282 | -1.111 | -1.052 |
| .20 | -.558 | -.688 | -1.143 | -1.012 | -.907 | .20 | -.534 | -1.059 | -1.245 | -1.143 | -1.039 |
| .30 | -.394 | -.663 | -1.087 | -1.014 | -.902 | .30 | -.456 | -.983 | -1.215 | -1.133 | -1.022 |
| .40 | -.391 | -.659 | -.873 | -.991 | -.896 | .40 | -.445 | -.838 | -1.076 | -1.125 | -.975 |
| .50 | -.424 | -.609 | -.721 | -.986 | -.898 | .50 | -.480 | -.732 | -.938 | -1.071 | -.933 |
| .60 | -.413 | -.617 | -.678 | -.940 | -.861 | .60 | -.488 | -.673 | -.758 | -.962 | -.704 |
| .67 | | | -.345 | | | .67 | | | -.587 | | |
| .70 | -.394 | -.546 | | -.925 | -.825 | .70 | -.484 | -.621 | | -.867 | -.496 |
| .80 | -.344 | | | -.585 | -.630 | .80 | -.436 | | | -.546 | -.410 |
| .84 | | | .026 | | | .84 | | | .021 | | |
| .86 | | -.193 | | | | .86 | | -.268 | | | |
| .90 | | | | -.396 | -.223 | .90 | | | | -.503 | -.342 |
| .91 | -.304 | | | | | .91 | -.417 | | | | |
| .95 | -.250 | -.085 | -.220 | -.119 | -.163 | .95 | -.371 | -.142 | -.190 | -.340 | -.325 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .096 | .271 | .280 | .112 | .096 | .05 | .119 | .357 | .410 | .225 | .239 |
| .10 | .068 | .248 | .122 | .004 | -.063 | .10 | .117 | .319 | .239 | .147 | .077 |
| .20 | .015 | .205 | .006 | -.096 | -.112 | .20 | .089 | .269 | .112 | .022 | -.012 |
| .30 | .002 | .041 | -.064 | -.169 | -.133 | .30 | .073 | .119 | .024 | -.076 | -.061 |
| .40 | .004 | -.018 | -.119 | -.240 | -.133 | .40 | .071 | .059 | -.021 | -.152 | -.096 |
| .50 | .033 | -.051 | -.151 | -.158 | -.132 | .50 | .091 | .010 | -.085 | -.158 | -.119 |
| .60 | .033 | -.064 | -.249 | -.153 | -.063 | .60 | .089 | -.008 | -.193 | -.152 | -.078 |
| .67 | | | -.340 | | | .67 | | | -.296 | | |
| .70 | .046 | .004 | | .098 | .112 | .70 | .089 | .040 | | .076 | .070 |
| .80 | .133 | | | .270 | .272 | .80 | .163 | | | .253 | .234 |
| .84 | | | -.302 | | | .84 | | | -.432 | | |
| .86 | | .160 | | | | .86 | | .173 | | | |
| .90 | | | | .329 | .322 | .90 | | | | .308 | .287 |
| .91 | .185 | | | | | .91 | .202 | | | | |
| .95 | .146 | .116 | .144 | .314 | .301 | .95 | .159 | .113 | .151 | .284 | .254 |

RUN = 512 POINT = 11

TABLE 92 CONTINUED

RUN = 512 POINT = 12

| (K) ALPHA = 9.74 DEGREES | | | | | | (L) ALPHA = 11.61 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.386 | -.444 | -.048 | .402 | .621 | 0.00 | -.487 | -.613 | -.218 | .293 | .543 |
| .05 | -.388 | -1.232 | -1.044 | .396 | -1.111 | .05 | -.489 | -1.233 | -1.236 | .278 | -.807 |
| .10 | -.864 | -1.234 | -1.062 | -.776 | -1.160 | .10 | -1.080 | -1.242 | -1.245 | -.722 | -.727 |
| .20 | -.590 | -1.201 | -1.007 | -.755 | -1.121 | .20 | -.694 | -1.237 | -1.065 | -.725 | -.690 |
| .30 | -.492 | -1.203 | -.916 | -.700 | -1.078 | .30 | -.472 | -1.308 | -.988 | -.683 | -.703 |
| .40 | -.488 | -1.159 | -.860 | -.677 | -1.024 | .40 | -.489 | -1.321 | -.880 | -.674 | -.622 |
| .50 | -.520 | -1.070 | -.753 | -.660 | -.963 | .50 | -.529 | -1.341 | -.804 | -.676 | -.626 |
| .60 | -.531 | -.804 | -.719 | -.628 | -.659 | .60 | -.557 | -1.189 | -.779 | -.676 | -.586 |
| .67 | | | -.691 | | | .67 | | | -.764 | | |
| .70 | -.512 | -.663 | | -.592 | -.554 | .70 | -.561 | -.814 | | -.660 | -.546 |
| .80 | -.312 | | | -.559 | -.496 | .80 | -.432 | | | -.619 | -.528 |
| .84 | | | .015 | | | .84 | | | .014 | | |
| .86 | | -.502 | | | | .86 | | -.616 | | | |
| .90 | | | | -.557 | -.437 | .90 | | | | -.626 | -.508 |
| .91 | -.338 | | | | | .91 | -.179 | | | | |
| .95 | -.355 | -.454 | -.576 | -.488 | -.406 | .95 | -.206 | -.592 | -.673 | -.582 | -.501 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .127 | .408 | .486 | .294 | .338 | .05 | .125 | .441 | .562 | .431 | .431 |
| .10 | .156 | .374 | .338 | .245 | .160 | .10 | .182 | .418 | .413 | .337 | .261 |
| .20 | .145 | .326 | .192 | .097 | .049 | .20 | .202 | .375 | .265 | .198 | .130 |
| .30 | .136 | .191 | .099 | -.015 | -.010 | .30 | .200 | .250 | .169 | .054 | .059 |
| .40 | .132 | .119 | .040 | -.097 | -.065 | .40 | .187 | .179 | .095 | -.015 | -.013 |
| .50 | .145 | .063 | -.040 | -.162 | -.114 | .50 | .195 | .119 | .016 | -.095 | -.065 |
| .60 | .129 | .026 | -.164 | -.177 | -.085 | .60 | .180 | .078 | -.103 | -.135 | -.064 |
| .67 | | | -.249 | | | .67 | | | -.204 | | |
| .70 | .127 | .065 | | .043 | .057 | .70 | .171 | .100 | | .062 | .064 |
| .80 | .190 | | | .225 | .225 | .80 | .222 | | | .240 | .225 |
| .84 | | | -.459 | | | .84 | | | -.430 | | |
| .86 | | .179 | | | | .86 | | .203 | | | |
| .90 | | | | .288 | .281 | .90 | | | | .294 | .277 |
| .91 | .219 | | | | | .91 | .241 | | | | |
| .95 | .164 | .084 | .090 | .251 | .241 | .95 | .191 | .095 | .070 | .253 | .239 |

RUN = 512 POINT = 13

TABLE 92 CONCLUDED

| | (M) ALPHA = -.02 DEGREES | | | | |
|------|--------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .005 | .275 | .598 | .757 | .668 |
| .05 | .007 | -.250 | -.263 | .761 | -.114 |
| .10 | -.207 | -.248 | -.385 | -.327 | -.152 |
| .20 | -.241 | -.287 | -.372 | -.295 | -.168 |
| .30 | -.200 | -.319 | -.239 | -.258 | -.185 |
| .40 | -.204 | -.287 | -.160 | -.204 | -.218 |
| .50 | -.207 | -.199 | -.169 | -.153 | -.227 |
| .60 | -.149 | -.136 | -.069 | -.172 | -.262 |
| .67 | | | .080 | | |
| .70 | -.079 | -.125 | | -.202 | -.305 |
| .80 | -.045 | | | -.350 | -.449 |
| .84 | | | .035 | | |
| .86 | | -.073 | | | |
| .90 | | | | -.325 | -.303 |
| .91 | -.040 | | | | |
| .95 | -.040 | -.106 | -.212 | -.138 | -.090 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.043 | -.171 | -.390 | -.477 | -.644 |
| .10 | -.106 | .015 | -.417 | -.618 | -.788 |
| .20 | -.193 | .173 | -.413 | -.597 | -.760 |
| .30 | -.255 | -.250 | -.426 | -.563 | -.731 |
| .40 | -.213 | -.293 | -.433 | -.611 | -.701 |
| .50 | -.163 | -.369 | -.507 | -.664 | -.652 |
| .60 | -.149 | -.309 | -.422 | -.199 | -.081 |
| .67 | | | -.283 | | |
| .70 | -.121 | -.101 | | -.050 | .074 |
| .80 | .003 | | | .015 | .219 |
| .84 | | | -.204 | | |
| .86 | | .074 | | | |
| .90 | | | | .212 | .338 |
| .91 | .104 | | | | |
| .95 | .103 | .104 | .010 | .302 | .338 |

RUN = 511 POINT = 3

TABLE 93

WING PRESSURE COEFFICIENTS

RUN = 511 POINT = 4

| (A) ALPHA = -0.97 DEGREES | | | | | | (B) ALPHA = 0.16 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .295 | .633 | .757 | .634 | 0.00 | .003 | .277 | .609 | .767 | .686 |
| .05 | .018 | -.133 | -.113 | .759 | -.007 | .05 | .006 | -.229 | -.243 | .762 | -.149 |
| .10 | -.153 | -.144 | -.228 | -.140 | -.068 | .10 | -.207 | -.233 | -.378 | -.366 | -.165 |
| .20 | -.218 | -.183 | -.254 | -.179 | -.093 | .20 | -.250 | -.285 | -.356 | -.391 | -.166 |
| .30 | -.170 | -.250 | -.222 | -.164 | -.121 | .30 | -.216 | -.319 | -.369 | -.244 | -.179 |
| .40 | -.166 | -.204 | -.132 | -.141 | -.163 | .40 | -.202 | -.284 | -.174 | -.200 | -.212 |
| .50 | -.163 | -.158 | -.156 | -.113 | -.189 | .50 | -.220 | -.228 | -.163 | -.150 | -.236 |
| .60 | -.109 | -.106 | -.056 | -.182 | -.229 | .60 | -.159 | -.137 | -.069 | -.161 | -.274 |
| .67 | | | .096 | | | .67 | | | .086 | | |
| .70 | -.048 | -.107 | | -.180 | -.276 | .70 | -.083 | -.124 | | -.202 | -.304 |
| .80 | -.024 | | | -.311 | -.431 | .80 | -.046 | | | -.332 | -.456 |
| .84 | | | .044 | | | .84 | | | .045 | | |
| .86 | | -.065 | | | | .86 | | -.067 | | | |
| .90 | | | | -.235 | -.320 | .90 | | | | -.281 | -.274 |
| .91 | -.031 | | | | | .91 | -.037 | | | | |
| .95 | -.044 | -.137 | -.232 | -.067 | -.037 | .95 | -.043 | -.121 | -.241 | -.050 | -.065 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.066 | -.324 | -.573 | -.522 | -.676 | .05 | -.033 | -.165 | -.384 | -.437 | -.586 |
| .10 | -.135 | .231 | -.518 | -.740 | -.817 | .10 | -.100 | -.032 | -.387 | -.599 | -.729 |
| .20 | -.224 | .562 | -.508 | -.681 | -.824 | .20 | -.198 | .230 | -.403 | -.578 | -.715 |
| .30 | -.288 | -.321 | -.485 | -.660 | -.808 | .30 | -.261 | -.254 | -.423 | -.548 | -.694 |
| .40 | -.314 | -.332 | -.488 | -.664 | -.821 | .40 | -.227 | -.274 | -.419 | -.592 | -.696 |
| .50 | -.152 | -.410 | -.598 | -.713 | -.777 | .50 | -.148 | -.371 | -.532 | -.656 | -.705 |
| .60 | -.177 | -.401 | -.648 | -.313 | -.304 | .60 | -.144 | -.335 | -.525 | -.255 | -.234 |
| .67 | | | .202 | | | .67 | | | -.046 | | |
| .70 | -.170 | -.172 | | -.185 | -.112 | .70 | -.129 | -.111 | | -.130 | -.015 |
| .80 | -.042 | | | -.189 | .025 | .80 | -.004 | | | -.144 | .165 |
| .84 | | | -.246 | | | .84 | | | .218 | | |
| .86 | | .032 | | | | .86 | | .073 | | | |
| .90 | | | | -.112 | .122 | .90 | | | | .002 | .286 |
| .91 | .068 | | | | | .91 | .095 | | | | |
| .95 | .079 | .077 | .001 | -.091 | .129 | .95 | .099 | .093 | .018 | .161 | .277 |

RUN = 511 POINT = 5

TABLE 93 CONTINUED

RUN = 511 POINT = 6

| (C) ALPHA = .97 DEGREES | | | | | | (D) ALPHA = 1.80 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.017 | .242 | .575 | .761 | .719 | 0.00 | -.033 | .201 | .524 | .753 | .738 |
| .05 | -.015 | -.349 | -.425 | .759 | -.370 | .05 | -.030 | -.419 | -.606 | .752 | -.474 |
| .10 | -.290 | -.362 | -.505 | -.501 | -.286 | .10 | -.337 | -.442 | -.615 | -.600 | -.531 |
| .20 | -.288 | -.340 | -.466 | -.549 | -.218 | .20 | -.345 | -.411 | -.536 | -.656 | -.542 |
| .30 | -.225 | -.390 | -.512 | -.484 | -.165 | .30 | -.264 | -.436 | -.567 | -.616 | -.484 |
| .40 | -.258 | -.381 | -.344 | -.417 | -.222 | .40 | -.275 | -.451 | -.460 | -.591 | -.451 |
| .50 | -.257 | -.318 | -.303 | -.052 | -.291 | .50 | -.291 | -.379 | -.440 | -.538 | -.194 |
| .60 | -.216 | -.220 | -.061 | -.110 | -.318 | .60 | -.266 | -.305 | -.224 | -.274 | -.161 |
| .67 | | | .095 | | | .67 | | | .067 | | |
| .70 | -.127 | -.161 | | -.173 | -.354 | .70 | -.195 | -.262 | | -.159 | -.274 |
| .80 | -.085 | | | -.334 | -.492 | .80 | -.129 | | | -.279 | -.442 |
| .84 | | | .041 | | | .84 | | | .041 | | |
| .86 | | -.071 | | | | .86 | | -.081 | | | |
| .90 | | | | -.360 | -.180 | .90 | | | | -.282 | -.368 |
| .91 | -.048 | | | | | .91 | -.083 | | | | |
| .95 | -.048 | -.093 | -.217 | -.097 | -.050 | .95 | -.066 | -.074 | -.187 | -.076 | -.076 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.072 | -.223 | -.313 | -.474 | .05 | .014 | .001 | -.118 | -.247 | -.333 |
| .10 | -.076 | -.061 | -.276 | -.489 | -.603 | .10 | -.046 | -.015 | -.193 | -.386 | -.507 |
| .20 | -.164 | -.071 | -.314 | -.470 | -.599 | .20 | -.135 | .026 | -.254 | -.386 | -.481 |
| .30 | -.233 | -.183 | -.353 | -.466 | -.552 | .30 | -.190 | -.133 | -.293 | -.409 | -.469 |
| .40 | -.166 | -.233 | -.357 | -.531 | -.561 | .40 | -.136 | -.174 | -.304 | -.476 | -.484 |
| .50 | -.118 | -.292 | -.436 | -.593 | -.641 | .50 | -.087 | -.240 | -.316 | -.490 | -.535 |
| .60 | -.111 | -.268 | -.403 | -.243 | -.137 | .60 | -.081 | -.202 | -.362 | -.246 | -.058 |
| .67 | | | -.147 | | | .67 | | | -.207 | | |
| .70 | -.091 | -.082 | | -.036 | .054 | .70 | -.055 | -.063 | | .047 | .116 |
| .80 | .032 | | | .014 | .202 | .80 | .056 | | | .092 | .245 |
| .84 | | | -.201 | | | .84 | | | -.198 | | |
| .86 | | .099 | | | | .86 | | .119 | | | |
| .90 | | | | .173 | .327 | .90 | | | | .190 | .347 |
| .91 | .122 | | | | | .91 | .137 | | | | |
| .95 | .119 | .112 | .036 | .254 | .332 | .95 | .126 | .121 | .060 | .256 | .351 |

RUN = 511 POINT = 7

TABLE 93 CONTINUED

RUN = 511 POINT = 8

| (E) ALPHA = 2.74 DEGREES | | | | | | (F) ALPHA = 3.24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.049 | .146 | .483 | .740 | .735 | 0.00 | -.059 | .107 | .454 | .732 | .740 |
| .05 | -.045 | -.610 | -.771 | .739 | -.574 | .05 | -.057 | -.697 | -.837 | .731 | -.603 |
| .10 | -.382 | -.525 | -.763 | -.661 | -.615 | .10 | -.404 | -.593 | -.863 | -.709 | -.659 |
| .20 | -.362 | -.469 | -.678 | -.723 | -.622 | .20 | -.379 | -.504 | -.761 | -.779 | -.659 |
| .30 | -.293 | -.481 | -.628 | -.712 | -.621 | .30 | -.303 | -.509 | -.650 | -.769 | -.652 |
| .40 | -.291 | -.494 | -.565 | -.714 | -.626 | .40 | -.308 | -.526 | -.604 | -.755 | -.661 |
| .50 | -.317 | -.446 | -.526 | -.702 | -.633 | .50 | -.327 | -.457 | -.554 | -.742 | -.677 |
| .60 | -.302 | -.400 | -.437 | -.528 | -.626 | .60 | -.308 | -.439 | -.539 | -.746 | -.696 |
| .67 | | | -.038 | | | .67 | | | -.096 | | |
| .70 | -.251 | -.325 | | -.321 | -.444 | .70 | -.277 | -.376 | | -.686 | -.715 |
| .80 | -.191 | | | -.280 | -.277 | .80 | -.207 | | | -.284 | -.612 |
| .84 | | | .037 | | | .84 | | | .038 | | |
| .86 | | -.107 | | | | .86 | | -.124 | | | |
| .90 | | | | -.272 | -.240 | .90 | | | | -.266 | -.207 |
| .91 | -.145 | | | | | .91 | -.170 | | | | |
| .95 | -.104 | -.066 | -.199 | -.066 | -.085 | .95 | -.136 | -.063 | -.211 | -.063 | -.042 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .037 | .078 | -.010 | -.151 | -.212 | .05 | .051 | .115 | .047 | -.098 | -.134 |
| .10 | -.021 | .054 | -.112 | -.241 | -.411 | .10 | -.001 | .100 | -.067 | -.222 | -.363 |
| .20 | -.101 | .048 | -.190 | -.314 | -.403 | .20 | -.077 | .079 | -.157 | -.266 | -.343 |
| .30 | -.125 | -.084 | -.233 | -.328 | -.387 | .30 | -.096 | -.070 | -.196 | -.288 | -.354 |
| .40 | -.104 | -.138 | -.245 | -.427 | -.451 | .40 | -.079 | -.111 | -.217 | -.381 | -.424 |
| .50 | -.062 | -.186 | -.273 | -.468 | -.141 | .50 | -.038 | -.161 | -.243 | -.454 | -.125 |
| .60 | -.051 | -.171 | -.335 | -.232 | -.029 | .60 | -.034 | -.155 | -.314 | -.211 | -.038 |
| .67 | | | -.229 | | | .67 | | | -.235 | | |
| .70 | -.030 | -.045 | | .076 | .135 | .70 | -.010 | -.040 | | .091 | .138 |
| .80 | .078 | | | .144 | .295 | .80 | .090 | | | .169 | .294 |
| .84 | | | -.213 | | | .84 | | | -.224 | | |
| .86 | | .134 | | | | .86 | | .135 | | | |
| .90 | | | | .222 | .364 | .90 | | | | .240 | .360 |
| .91 | .150 | | | | | .91 | .158 | | | | |
| .95 | .131 | .113 | .090 | .267 | .357 | .95 | .133 | .113 | .109 | .279 | .362 |

RUN = 511 POINT = 9

TABLE 93 CONTINUED

RUN = 511 POINT = 10

| (G) ALPHA = 3.67 DEGREES | | | | | | (H) ALPHA = 4.68 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.080 | .086 | .429 | .719 | .741 | 0.00 | -.109 | .006 | .361 | .692 | .741 |
| .05 | -.076 | -.783 | -.887 | .718 | -.645 | .05 | -.109 | -.963 | -.989 | .692 | -.705 |
| .10 | -.439 | -.676 | -.920 | -.747 | -.695 | .10 | -.486 | -.867 | -1.035 | -.826 | -.780 |
| .20 | -.387 | -.526 | -.814 | -.813 | -.697 | .20 | -.418 | -.556 | -.971 | -.882 | -.774 |
| .30 | -.324 | -.538 | -.666 | -.800 | -.692 | .30 | -.353 | -.591 | -.856 | -.879 | -.767 |
| .40 | -.322 | -.553 | -.620 | -.800 | -.700 | .40 | -.349 | -.582 | -.637 | -.864 | -.764 |
| .50 | -.339 | -.486 | -.590 | -.777 | -.711 | .50 | -.368 | -.528 | -.648 | -.850 | -.774 |
| .60 | -.326 | -.473 | -.571 | -.793 | -.721 | .60 | -.362 | -.526 | -.621 | -.852 | -.792 |
| .67 | | | -.139 | | | .67 | | | -.289 | | |
| .70 | -.296 | -.406 | | -.742 | -.716 | .70 | -.329 | -.471 | | -.854 | -.743 |
| .80 | -.231 | | | -.360 | -.646 | .80 | -.272 | | | -.695 | -.637 |
| .84 | | | .038 | | | .84 | | | .039 | | |
| .86 | | -.160 | | | | .86 | | -.208 | | | |
| .90 | | | | -.269 | -.313 | .90 | | | | -.495 | -.363 |
| .91 | -.200 | | | | | .91 | -.261 | | | | |
| .95 | -.163 | -.069 | -.221 | -.068 | -.132 | .95 | -.216 | -.085 | -.260 | -.094 | -.285 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .060 | .148 | .091 | -.057 | -.097 | .05 | .078 | .209 | .193 | .032 | -.013 |
| .10 | .012 | .129 | -.023 | -.163 | -.327 | .10 | .045 | .187 | .048 | -.075 | -.201 |
| .20 | -.063 | .107 | -.122 | -.243 | -.315 | .20 | -.024 | .149 | -.057 | -.165 | -.236 |
| .30 | -.087 | -.045 | -.186 | -.269 | -.338 | .30 | -.045 | -0.000 | -.122 | -.212 | -.267 |
| .40 | -.069 | -.099 | -.198 | -.361 | -.411 | .40 | -.033 | -.054 | -.170 | -.311 | -.130 |
| .50 | -.030 | -.143 | -.230 | -.441 | -.114 | .50 | .004 | -.100 | -.202 | -.417 | -.168 |
| .60 | -.026 | -.136 | -.310 | -.214 | -.052 | .60 | .006 | -.108 | -.297 | -.125 | -.081 |
| .67 | | | -.243 | | | .67 | | | -.246 | | |
| .70 | -.002 | -.032 | | .108 | .125 | .70 | .025 | -.013 | | .120 | .106 |
| .80 | .089 | | | .198 | .279 | .80 | .115 | | | .234 | .265 |
| .84 | | | -.230 | | | .84 | | | -.242 | | |
| .86 | | .138 | | | | .86 | | .144 | | | |
| .90 | | | | .260 | .338 | .90 | | | | .303 | .317 |
| .91 | .158 | | | | | .91 | .170 | | | | |
| .95 | .134 | .105 | .115 | .283 | .338 | .95 | .137 | .103 | .119 | .305 | .288 |

RUN = 511 POINT = 11

TABLE 93 CONTINUED

RUN = 511 POINT = 12

| (I) ALPHA = 5.80 DEGREES | | | | | | (J) ALPHA = 7.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.145 | -.070 | .291 | .653 | .735 | 0.00 | -.242 | -.229 | .152 | .553 | .705 |
| .05 | -.151 | -1.068 | -1.076 | .653 | -.796 | .05 | -.264 | -1.165 | -1.210 | .547 | -.926 |
| .10 | -.547 | -1.018 | -1.123 | -.908 | -.846 | .10 | -.715 | -1.142 | -1.217 | -1.047 | -.974 |
| .20 | -.459 | -.652 | -1.078 | -.950 | -.846 | .20 | -.526 | -1.017 | -1.181 | -1.084 | -.972 |
| .30 | -.380 | -.614 | -1.030 | -.945 | -.834 | .30 | -.414 | -.926 | -1.148 | -1.063 | -.960 |
| .40 | -.373 | -.624 | -.875 | -.939 | -.835 | .40 | -.422 | -.834 | -1.036 | -1.061 | -.952 |
| .50 | -.406 | -.579 | -.668 | -.924 | -.846 | .50 | -.447 | -.725 | -.889 | -1.047 | -.917 |
| .60 | -.391 | -.574 | -.660 | -.925 | -.842 | .60 | -.458 | -.647 | -.764 | -1.012 | -.883 |
| .67 | | | -.522 | | | .67 | | | -.569 | | |
| .70 | -.371 | -.519 | | -.906 | -.794 | .70 | -.453 | -.602 | | -.991 | -.753 |
| .80 | -.318 | | | -.754 | -.673 | .80 | -.407 | | | -.714 | -.539 |
| .84 | | | .039 | | | .84 | | | .030 | | |
| .86 | | -.258 | | | | .86 | | -.395 | | | |
| .90 | | | | -.543 | -.393 | .90 | | | | -.595 | -.453 |
| .91 | -.309 | | | | | .91 | -.400 | | | | |
| .95 | -.294 | -.100 | -.293 | -.241 | -.311 | .95 | -.407 | -.158 | -.245 | -.406 | -.425 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .280 | .271 | .101 | .077 | .05 | .119 | .352 | .406 | .207 | .219 |
| .10 | .072 | .243 | .129 | .003 | -.097 | .10 | .123 | .319 | .242 | .143 | .049 |
| .20 | .021 | .200 | .010 | -.089 | -.157 | .20 | .088 | .263 | .106 | .017 | -.038 |
| .30 | 0.000 | .046 | -.061 | -.166 | -.178 | .30 | .074 | .124 | .026 | -.083 | -.076 |
| .40 | .010 | -.013 | -.122 | -.261 | -.144 | .40 | .077 | .059 | -.024 | -.169 | -.107 |
| .50 | .043 | -.054 | -.150 | -.369 | -.204 | .50 | .097 | .013 | -.089 | -.274 | -.150 |
| .60 | .039 | -.074 | -.255 | -.111 | -.083 | .60 | .090 | -.013 | -.201 | -.154 | -.095 |
| .67 | | | -.254 | | | .67 | | | -.248 | | |
| .70 | .052 | .004 | | .101 | .087 | .70 | .096 | .043 | | .070 | .063 |
| .80 | .136 | | | .252 | .245 | .80 | .169 | | | .238 | .229 |
| .84 | | | -.275 | | | .84 | | | -.386 | | |
| .86 | | .156 | | | | .86 | | .176 | | | |
| .90 | | | | .309 | .293 | .90 | | | | .305 | .281 |
| .91 | .182 | | | | | .91 | .203 | | | | |
| .95 | .145 | .100 | .157 | .291 | .274 | .95 | .156 | .100 | .152 | .270 | .250 |

| (K) ALPHA = 9.88 DEGREES | | | | | | (L) ALPHA = 11.78 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.364 | -.405 | -.019 | .430 | .642 | 0.00 | -.470 | -.584 | -.187 | .296 | .563 |
| .05 | -.370 | -1.157 | -1.240 | .432 | -1.073 | .05 | -.485 | -1.173 | -1.241 | .303 | -.769 |
| .10 | -.900 | -1.158 | -1.247 | -1.173 | -1.099 | .10 | -1.061 | -1.180 | -1.249 | -.815 | -.692 |
| .20 | -.558 | -1.127 | -1.159 | -1.182 | -1.076 | .20 | -.785 | -1.182 | -1.173 | -.837 | -.642 |
| .30 | -.452 | -1.148 | -1.087 | -1.140 | -1.032 | .30 | -.445 | -1.254 | -1.115 | -.787 | -.623 |
| .40 | -.456 | -1.131 | -1.016 | -1.107 | -.990 | .40 | -.459 | -1.281 | -1.049 | -.743 | -.597 |
| .50 | -.478 | -1.122 | -.970 | -1.039 | -.906 | .50 | -.500 | -1.303 | -.895 | -.692 | -.571 |
| .60 | -.494 | -1.080 | -.862 | -.722 | -.645 | .60 | -.527 | -1.249 | -.862 | -.675 | -.550 |
| .67 | | | -.701 | | | .67 | | | -.814 | | |
| .70 | -.496 | -.952 | | -.669 | -.537 | .70 | -.533 | -1.261 | | -.654 | -.538 |
| .80 | -.454 | | | -.556 | -.474 | .80 | -.498 | | | -.619 | -.521 |
| .84 | | | .026 | | | .84 | | | .022 | | |
| .86 | | -.338 | | | | .86 | | -.471 | | | |
| .90 | | | | -.550 | -.452 | .90 | | | | -.617 | -.506 |
| .91 | -.434 | | | | | .91 | -.450 | | | | |
| .95 | -.458 | -.180 | -.543 | -.493 | -.447 | .95 | -.304 | -.420 | -.695 | -.603 | -.483 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .139 | .418 | .501 | .299 | .349 | .05 | .139 | .452 | .574 | .428 | .441 |
| .10 | .165 | .383 | .345 | .252 | .167 | .10 | .190 | .426 | .433 | .348 | .272 |
| .20 | .159 | .329 | .205 | .115 | .061 | .20 | .209 | .385 | .284 | .200 | .138 |
| .30 | .147 | .196 | .111 | .005 | .001 | .30 | .209 | .261 | .186 | .073 | .066 |
| .40 | .143 | .129 | .056 | -.082 | -.057 | .40 | .198 | .191 | .115 | -.001 | -0.000 |
| .50 | .156 | .076 | -.019 | -.136 | -.102 | .50 | .209 | .139 | .036 | -.082 | -.052 |
| .60 | .143 | .044 | -.131 | -.150 | -.074 | .60 | .192 | .093 | -.080 | -.107 | -.045 |
| .67 | | | -.220 | | | .67 | | | -.176 | | |
| .70 | .143 | .078 | | .066 | .063 | .70 | .183 | .118 | | .080 | .073 |
| .80 | .203 | | | .244 | .231 | .80 | .240 | | | .253 | .234 |
| .84 | | | -.398 | | | .84 | | | -.388 | | |
| .86 | | .203 | | | | .86 | | .224 | | | |
| .90 | | | | .301 | .280 | .90 | | | | .309 | .284 |
| .91 | .225 | | | | | .91 | .258 | | | | |
| .95 | .174 | .116 | .122 | .267 | .248 | .95 | .205 | .137 | .108 | .266 | .242 |

RUN = 511 POINT = 15

TABLE 93 CONCLUDED

| (M) ALPHA = -0.00 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .004 | .274 | .615 | .764 | .690 |
| .05 | .008 | -.228 | -.269 | .760 | -.145 |
| .10 | -.214 | -.237 | -.382 | -.371 | -.169 |
| .20 | -.259 | -.287 | -.359 | -.364 | -.167 |
| .30 | -.223 | -.322 | -.371 | -.242 | -.178 |
| .40 | -.199 | -.284 | -.190 | -.197 | -.212 |
| .50 | -.214 | -.229 | -.165 | -.148 | -.241 |
| .60 | -.153 | -.146 | -.059 | -.164 | -.269 |
| .67 | | | .087 | | |
| .70 | -.084 | -.125 | | -.204 | -.303 |
| .80 | -.040 | | | -.340 | -.456 |
| .84 | | | .043 | | |
| .86 | | -.073 | | | |
| .90 | | | | -.350 | -.272 |
| .91 | -.038 | | | | |
| .95 | -.046 | -.119 | -.242 | -.123 | -.062 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.044 | -.187 | -.368 | -.443 | -.603 |
| .10 | -.106 | .017 | -.397 | -.595 | -.718 |
| .20 | -.197 | .172 | -.399 | -.577 | -.721 |
| .30 | -.267 | -.256 | -.425 | -.561 | -.704 |
| .40 | -.225 | -.271 | -.432 | -.598 | -.696 |
| .50 | -.153 | -.368 | -.530 | -.659 | -.711 |
| .60 | -.139 | -.344 | -.523 | -.271 | -.217 |
| .67 | | | -.317 | | |
| .70 | -.128 | -.117 | | -.145 | -.016 |
| .80 | -.006 | | | -.135 | .163 |
| .84 | | | -.218 | | |
| .86 | | .067 | | | |
| .90 | | | | .024 | .286 |
| .91 | .097 | | | | |
| .95 | .095 | .092 | -.013 | .221 | .276 |

RUN = 522 POINT = 1

TABLE 94

WING PRESSURE COEFFICIENTS

RUN = 522 POINT = 2

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.015 | .281 | .573 | .682 | .532 | 0.00 | .008 | .271 | .563 | .727 | .639 |
| .05 | .017 | -.180 | -.202 | .682 | -.003 | .05 | .012 | -.297 | -.319 | .725 | -.161 |
| .10 | -.081 | -.192 | -.286 | -.175 | -.073 | .10 | -.138 | -.291 | -.390 | -.336 | -.169 |
| .20 | -.171 | -.223 | -.221 | -.181 | -.118 | .20 | -.231 | -.284 | -.282 | -.316 | -.196 |
| .30 | -.171 | -.242 | -.236 | -.199 | -.145 | .30 | -.193 | -.296 | -.275 | -.269 | -.200 |
| .40 | -.163 | -.206 | -.188 | -.207 | -.170 | .40 | -.198 | -.248 | -.214 | -.257 | -.225 |
| .50 | -.159 | -.183 | -.186 | -.205 | -.201 | .50 | -.189 | -.212 | -.212 | -.241 | -.242 |
| .60 | -.128 | -.150 | -.173 | -.213 | -.216 | .60 | -.142 | -.170 | -.185 | -.245 | -.254 |
| .67 | | | -.171 | | | .67 | | | -.187 | | |
| .70 | -.081 | -.150 | | -.240 | -.263 | .70 | -.096 | -.168 | | -.261 | -.295 |
| .80 | -.060 | | | -.303 | -.340 | .80 | -.072 | | | -.324 | -.353 |
| .84 | | | -.012 | | | .84 | | | .001 | | |
| .86 | | -.135 | | | | .86 | | -.141 | | | |
| .90 | | | | -.305 | -.304 | .90 | | | | -.322 | -.312 |
| .91 | -.054 | | | | | .91 | -.055 | | | | |
| .95 | -.056 | -.098 | -.119 | -.157 | -.131 | .95 | -.051 | -.091 | -.114 | -.164 | -.137 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.081 | -.311 | -.617 | -.594 | -1.042 | .05 | -.036 | -.156 | -.415 | -.437 | -.684 |
| .10 | -.165 | -.292 | -.538 | -.740 | -.908 | .10 | -.105 | -.185 | -.385 | -.520 | -.662 |
| .20 | -.217 | -.221 | -.435 | -.615 | -.387 | .20 | -.165 | -.198 | -.346 | -.461 | -.369 |
| .30 | -.242 | -.311 | -.384 | -.400 | -.342 | .30 | -.189 | -.231 | -.318 | -.340 | -.272 |
| .40 | -.231 | -.307 | -.331 | -.364 | -.313 | .40 | -.187 | -.242 | -.277 | -.286 | -.270 |
| .50 | -.182 | -.271 | -.299 | -.272 | -.238 | .50 | -.134 | -.221 | -.261 | -.235 | -.196 |
| .60 | -.149 | -.190 | -.236 | -.184 | -.098 | .60 | -.109 | -.160 | -.207 | -.172 | -.077 |
| .67 | | | -.344 | | | .67 | | | -.251 | | |
| .70 | -.083 | -.043 | | .042 | .073 | .70 | -.055 | -.017 | | .058 | .106 |
| .80 | .029 | | | .162 | .172 | .80 | .064 | | | .223 | .227 |
| .84 | | | -.102 | | | .84 | | | -.077 | | |
| .86 | | .157 | | | | .86 | | .188 | | | |
| .90 | | | | .218 | .217 | .90 | | | | .291 | .277 |
| .91 | .118 | | | | | .91 | .140 | | | | |
| .95 | .108 | .167 | .214 | .220 | .218 | .95 | .132 | .192 | .249 | .291 | .268 |

RUN = 522 POINT = 3

TABLE 94 CONTINUED

RUN = 522 POINT = 4

| (C) ALPHA = 1.05 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .225 | .511 | .731 | .705 | 0.00 | -.027 | .155 | .453 | .703 | .726 |
| .05 | .002 | -.394 | -.481 | .731 | -.322 | .05 | -.023 | -.518 | -.697 | .700 | -.511 |
| .10 | -.189 | -.369 | -.527 | -.526 | -.291 | .10 | -.259 | -.451 | -.680 | -.724 | -.411 |
| .20 | -.270 | -.344 | -.365 | -.415 | -.270 | .20 | -.306 | -.429 | -.425 | -.561 | -.343 |
| .30 | -.231 | -.351 | -.330 | -.340 | -.266 | .30 | -.261 | -.427 | -.375 | -.381 | -.312 |
| .40 | -.229 | -.294 | -.250 | -.300 | -.268 | .40 | -.259 | -.335 | -.289 | -.343 | -.310 |
| .50 | -.222 | -.254 | -.244 | -.284 | -.274 | .50 | -.261 | -.283 | -.281 | -.337 | -.318 |
| .60 | -.173 | -.195 | -.216 | -.286 | -.285 | .60 | -.205 | -.222 | -.243 | -.323 | -.310 |
| .67 | | | -.204 | | | .67 | | | -.226 | | |
| .70 | -.115 | -.189 | | -.288 | -.318 | .70 | -.135 | -.207 | | -.325 | -.335 |
| .80 | -.086 | | | -.336 | -.383 | .80 | -.104 | | | -.343 | -.396 |
| .84 | | | .003 | | | .84 | | | -0.000 | | |
| .86 | | -.143 | | | | .86 | | -.153 | | | |
| .90 | | | | -.336 | -.334 | .90 | | | | -.341 | -.333 |
| .91 | -.061 | | | | | .91 | -.071 | | | | |
| .95 | -.053 | -.082 | -.118 | -.162 | -.155 | .95 | -.061 | -.083 | -.111 | -.156 | -.153 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.003 | -.055 | -.251 | -.231 | -.398 | .05 | .023 | .027 | -.089 | -.229 | -.244 |
| .10 | -.074 | -.105 | -.294 | -.389 | -.475 | .10 | -.042 | -.016 | -.181 | -.276 | -.316 |
| .20 | -.129 | -.141 | -.259 | -.340 | -.328 | .20 | -.098 | -.075 | -.215 | -.254 | -.259 |
| .30 | -.158 | -.168 | -.265 | -.300 | -.225 | .30 | -.123 | -.130 | -.213 | -.246 | -.207 |
| .40 | -.150 | -.200 | -.235 | -.257 | -.223 | .40 | -.120 | -.157 | -.195 | -.229 | -.186 |
| .50 | -.107 | -.197 | -.221 | -.204 | -.163 | .50 | -.083 | -.161 | -.193 | -.173 | -.141 |
| .60 | -.090 | -.132 | -.188 | -.159 | -.066 | .60 | -.061 | -.117 | -.169 | -.143 | -.052 |
| .67 | | | -.188 | | | .67 | | | -.233 | | |
| .70 | -.032 | -.006 | | .069 | .118 | .70 | -.013 | .012 | | .079 | .126 |
| .80 | .080 | | | .250 | .256 | .80 | .095 | | | .260 | .283 |
| .84 | | | -.073 | | | .84 | | | -.071 | | |
| .86 | | .198 | | | | .86 | | .211 | | | |
| .90 | | | | .310 | .328 | .90 | | | | .318 | .346 |
| .91 | .155 | | | | | .91 | .162 | | | | |
| .95 | .136 | .202 | .259 | .303 | .312 | .95 | .143 | .207 | .250 | .309 | .324 |

RUN = 522 POINT = 5

TABLE 94 CONTINUED

RUN = 522 POINT = 6

| (E) ALPHA = 2.77 DEGREES | | | | | | (F) ALPHA = 3.27 DEGREES | | | | | |
|--------------------------|-------|-------|-------|--------|-------|--------------------------|-------|-------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.061 | .080 | .362 | .663 | .736 | 0.00 | -.090 | .012 | .301 | .623 | .729 |
| .05 | -.057 | -.646 | -.989 | .655 | -.782 | .05 | -.063 | -.723 | -1.163 | .631 | -.919 |
| .10 | -.278 | -.569 | -.864 | -1.015 | -.601 | .10 | -.317 | -.646 | -1.076 | -1.145 | -.778 |
| .20 | -.348 | -.499 | -.489 | -.866 | -.396 | .20 | -.364 | -.557 | -.651 | -1.005 | -.392 |
| .30 | -.304 | -.464 | -.414 | -.417 | -.335 | .30 | -.325 | -.516 | -.439 | -.383 | -.370 |
| .40 | -.294 | -.381 | -.325 | -.389 | -.341 | .40 | -.319 | -.420 | -.337 | -.397 | -.369 |
| .50 | -.296 | -.314 | -.306 | -.371 | -.355 | .50 | -.313 | -.333 | -.316 | -.387 | -.369 |
| .60 | -.232 | -.243 | -.260 | -.353 | -.337 | .60 | -.255 | -.254 | -.275 | -.363 | -.359 |
| .67 | | | -.241 | | | .67 | | | -.249 | | |
| .70 | -.156 | -.229 | | -.349 | -.357 | .70 | -.174 | -.233 | | -.357 | -.365 |
| .80 | -.117 | | | -.343 | -.388 | .80 | -.123 | | | -.341 | -.384 |
| .84 | | | .005 | | | .84 | | | .001 | | |
| .86 | | -.155 | | | | .86 | | -.157 | | | |
| .90 | | | | -.343 | -.296 | .90 | | | | -.341 | -.283 |
| .91 | -.080 | | | | | .91 | -.088 | | | | |
| .95 | -.065 | -.071 | -.103 | -.140 | -.132 | .95 | -.065 | -.067 | -.103 | -.136 | -.126 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .049 | .108 | .005 | -.067 | -.073 | .05 | .058 | .142 | .075 | -0.000 | -0.000 |
| .10 | -.005 | .070 | -.093 | -.166 | -.198 | .10 | .010 | .118 | -.044 | -.073 | -.136 |
| .20 | -.061 | .005 | -.154 | -.180 | -.192 | .20 | -.051 | .068 | -.107 | -.146 | -.128 |
| .30 | -.090 | -.086 | -.150 | -.193 | -.170 | .30 | -.073 | -.061 | -.144 | -.166 | -.134 |
| .40 | -.088 | -.111 | -.154 | -.176 | -.147 | .40 | -.071 | -.090 | -.130 | -.154 | -.126 |
| .50 | -.053 | -.124 | -.158 | -.144 | -.110 | .50 | -.036 | -.105 | -.138 | -.128 | -.103 |
| .60 | -.036 | -.088 | -.144 | -.122 | -.035 | .60 | -.026 | -.082 | -.134 | -.108 | -.033 |
| .67 | | | -.195 | | | .67 | | | -.176 | | |
| .70 | .004 | .024 | | .087 | .125 | .70 | .021 | .033 | | .088 | .133 |
| .80 | .107 | | | .261 | .292 | .80 | .118 | | | .261 | .296 |
| .84 | | | -.036 | | | .84 | | | -.010 | | |
| .86 | | .215 | | | | .86 | | .223 | | | |
| .90 | | | | .321 | .352 | .90 | | | | .327 | .350 |
| .91 | .175 | | | | | .91 | .177 | | | | |
| .95 | .153 | .206 | .269 | .314 | .329 | .95 | .155 | .207 | .275 | .310 | .329 |

RUN = 522 POINT = 7

TABLE 94 CONTINUED

RUN = 522 POINT = 8

| (G) ALPHA = 3.76 DEGREES | | | | | | (H) ALPHA = 4.80 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.095 | -.048 | .253 | .595 | .722 | 0.00 | -.160 | -.181 | .141 | .514 | .675 |
| .05 | -.091 | -.864 | -1.302 | .595 | -1.061 | .05 | -.156 | -1.141 | -1.478 | .512 | -1.245 |
| .10 | -.336 | -.744 | -1.186 | -1.218 | -.950 | .10 | -.418 | -.863 | -1.389 | -1.365 | -1.210 |
| .20 | -.398 | -.595 | -.711 | -1.175 | -.371 | .20 | -.470 | -.708 | -1.076 | -1.367 | -1.058 |
| .30 | -.343 | -.581 | -.444 | -.757 | -.387 | .30 | -.392 | -.670 | -.556 | -1.236 | -.347 |
| .40 | -.341 | -.446 | -.343 | -.374 | -.381 | .40 | -.392 | -.562 | -.369 | -.522 | -.365 |
| .50 | -.336 | -.349 | -.322 | -.384 | -.379 | .50 | -.387 | -.410 | -.334 | -.361 | -.387 |
| .60 | -.273 | -.272 | -.272 | -.366 | -.367 | .60 | -.329 | -.298 | -.275 | -.354 | -.373 |
| .67 | | | -.240 | | | .67 | | | -.246 | | |
| .70 | -.194 | -.234 | | -.362 | -.371 | .70 | -.230 | -.254 | | -.358 | -.379 |
| .80 | -.137 | | | -.344 | -.381 | .80 | -.164 | | | -.348 | -.379 |
| .84 | | | -.002 | | | .84 | | | -.007 | | |
| .86 | | -.150 | | | | .86 | | -.151 | | | |
| .90 | | | | -.336 | -.278 | .90 | | | | -.348 | -.287 |
| .91 | -.091 | | | | | .91 | -.109 | | | | |
| .95 | -.071 | -.060 | -.099 | -.140 | -.119 | .95 | -.092 | -.063 | -.107 | -.155 | -.136 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .070 | .173 | .143 | .040 | .062 | .05 | .080 | .235 | .211 | .083 | .150 |
| .10 | .029 | .149 | -.012 | -.041 | -.081 | .10 | .047 | .204 | .077 | .014 | .005 |
| .20 | -.029 | .115 | -.093 | -.110 | -.108 | .20 | -.004 | .162 | -.028 | -.068 | -.053 |
| .30 | -.056 | -.027 | -.116 | -.116 | -.117 | .30 | -.024 | .003 | -.076 | -.090 | -.064 |
| .40 | -.054 | -.069 | -.116 | -.130 | -.100 | .40 | -.035 | -.040 | -.107 | -.111 | -.084 |
| .50 | -.017 | -.092 | -.118 | -.110 | -.085 | .50 | -.002 | -.053 | -.099 | -.107 | -.068 |
| .60 | -.005 | -.060 | -.116 | -.098 | -.015 | .60 | .010 | -.042 | -.109 | -.078 | -.010 |
| .67 | | | -.151 | | | .67 | | | -.145 | | |
| .70 | .029 | .041 | | .098 | .135 | .70 | .037 | .049 | | .103 | .134 |
| .80 | .120 | | | .269 | .296 | .80 | .125 | | | .270 | .292 |
| .84 | | | -0.000 | | | .84 | | | -.001 | | |
| .86 | | .229 | | | | .86 | | .233 | | | |
| .90 | | | | .333 | .356 | .90 | | | | .336 | .344 |
| .91 | .188 | | | | | .91 | .179 | | | | |
| .95 | .161 | .211 | .275 | .313 | .325 | .95 | .154 | .202 | .262 | .315 | .336 |

| (I) ALPHA = 5.81 DEGREES | | | | | | (J) ALPHA = 7.73 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.201 | -.282 | .050 | .442 | .635 | 0.00 | -.305 | -.484 | -.135 | .314 | .571 |
| .05 | -.199 | -1.323 | -1.607 | .432 | -1.364 | .05 | -.303 | -1.520 | -1.460 | .326 | -1.481 |
| .10 | -.501 | -1.138 | -1.567 | -1.469 | -1.382 | .10 | -.671 | -1.499 | -1.414 | -.939 | -1.383 |
| .20 | -.497 | -.782 | -1.502 | -1.469 | -1.229 | .20 | -.671 | -1.152 | -1.206 | -.867 | -.940 |
| .30 | -.440 | -.743 | -.877 | -1.351 | -1.021 | .30 | -.499 | -.897 | -1.060 | -.768 | -.671 |
| .40 | -.428 | -.645 | -.386 | -.971 | -.336 | .40 | -.501 | -.568 | -.926 | -.678 | -.552 |
| .50 | -.434 | -.468 | -.319 | -.455 | -.332 | .50 | -.503 | -.428 | -.803 | -.605 | -.452 |
| .60 | -.368 | -.320 | -.263 | -.364 | -.326 | .60 | -.411 | -.351 | -.685 | -.539 | -.397 |
| .67 | | | -.233 | | | .67 | | | -.539 | | |
| .70 | -.268 | -.256 | | -.330 | -.336 | .70 | -.314 | -.301 | | -.471 | -.354 |
| .80 | -.199 | | | -.278 | -.332 | .80 | -.252 | | | -.354 | -.305 |
| .84 | | | .006 | | | .84 | | | -.006 | | |
| .86 | | -.134 | | | | .86 | | -.160 | | | |
| .90 | | | | -.288 | -.252 | .90 | | | | -.344 | -.239 |
| .91 | -.129 | | | | | .91 | -.167 | | | | |
| .95 | -.106 | -.058 | -.086 | -.110 | -.129 | .95 | -.144 | -.080 | -.252 | -.287 | -.178 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .100 | .288 | .307 | .143 | .244 | .05 | .110 | .353 | .411 | .209 | .331 |
| .10 | .078 | .267 | .152 | .123 | .087 | .10 | .118 | .326 | .251 | .213 | .152 |
| .20 | .042 | .227 | .040 | .018 | .018 | .20 | .089 | .277 | .118 | .106 | .059 |
| .30 | .015 | .061 | -.029 | -.035 | -.014 | .30 | .071 | .128 | .047 | -.004 | .012 |
| .40 | .011 | .010 | -.055 | -.060 | -.033 | .40 | .067 | .071 | .011 | -.025 | -.030 |
| .50 | .036 | -.020 | -.064 | -.068 | -.033 | .50 | .087 | .022 | -.031 | -.079 | -.040 |
| .60 | .044 | -.010 | -.082 | -.059 | .018 | .60 | .079 | .022 | -.063 | -.094 | -.009 |
| .67 | | | -.118 | | | .67 | | | -.110 | | |
| .70 | .071 | .071 | | .116 | .157 | .70 | .096 | .090 | | .062 | .117 |
| .80 | .150 | | | .280 | .315 | .80 | .174 | | | .228 | .285 |
| .84 | | | .038 | | | .84 | | | .055 | | |
| .86 | | .250 | | | | .86 | | .248 | | | |
| .90 | | | | .342 | .363 | .90 | | | | .283 | .339 |
| .91 | .210 | | | | | .91 | .218 | | | | |
| .95 | .175 | .210 | .265 | .322 | .352 | .95 | .183 | .203 | .237 | .246 | .306 |

RUN = 522 POINT = 11

TABLE 94 CONTINUED

RUN = 522 POINT = 12

| (K) ALPHA = 9.62 DEGREES | | | | | | (L) ALPHA = 11.50 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.425 | -.706 | -.309 | .220 | .525 | 0.00 | -.609 | -.914 | -.476 | .091 | .488 |
| .05 | -.444 | -1.590 | -1.216 | .220 | -.869 | .05 | -.609 | -1.574 | -1.028 | .107 | -.504 |
| .10 | -.852 | -1.609 | -1.072 | -.797 | -.761 | .10 | -1.056 | -1.493 | -.966 | -.712 | -.473 |
| .20 | -.673 | -1.507 | -1.028 | -.765 | -.604 | .20 | -.817 | -1.370 | -.955 | -.714 | -.469 |
| .30 | -.559 | -1.391 | -.943 | -.728 | -.540 | .30 | -.629 | -1.224 | -.926 | -.692 | -.455 |
| .40 | -.573 | -1.105 | -.905 | -.688 | -.479 | .40 | -.613 | -1.141 | -.890 | -.676 | -.428 |
| .50 | -.571 | -.505 | -.865 | -.632 | -.442 | .50 | -.529 | -1.061 | -.845 | -.648 | -.428 |
| .60 | -.452 | -.386 | -.805 | -.584 | -.404 | .60 | -.461 | -.949 | -.807 | -.624 | -.406 |
| .67 | | | -.742 | | | .67 | | | -.757 | | |
| .70 | -.378 | -.407 | | -.547 | -.385 | .70 | -.436 | -.788 | | -.608 | -.412 |
| .80 | -.332 | | | -.467 | -.371 | .80 | -.403 | | | -.567 | -.408 |
| .84 | | | -.035 | | | .84 | | -.050 | | | |
| .86 | | -.262 | | | | .86 | | -.572 | | | |
| .90 | | | | -.453 | -.353 | .90 | | | | -.569 | -.400 |
| .91 | -.230 | | | | | .91 | -.342 | | | | |
| .95 | -.195 | -.212 | -.536 | -.403 | -.336 | .95 | -.297 | -.469 | -.628 | +.517 | -.389 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .113 | .396 | .483 | .170 | .381 | .05 | .096 | .415 | .532 | .340 | .441 |
| .10 | .146 | .370 | .328 | .289 | .205 | .10 | .167 | .402 | .386 | .342 | .268 |
| .20 | .138 | .330 | .192 | .172 | .092 | .20 | .192 | .373 | .237 | .212 | .147 |
| .30 | .127 | .183 | .105 | .032 | .036 | .30 | .179 | .229 | .138 | .069 | .071 |
| .40 | .115 | .116 | .051 | -.007 | -.020 | .40 | .165 | .164 | .075 | .010 | -.004 |
| .50 | .125 | .063 | -.007 | -.078 | -.051 | .50 | .171 | .103 | .010 | -.069 | -.045 |
| .60 | .117 | .055 | -.057 | -.111 | -.043 | .60 | .148 | .078 | -.055 | -.104 | -.043 |
| .67 | | | -.108 | | | .67 | | | -.118 | | |
| .70 | .121 | .097 | | .038 | .080 | .70 | .148 | .112 | | .028 | .061 |
| .80 | .190 | | | .199 | .246 | .80 | .206 | | | .201 | .232 |
| .84 | | | -.007 | | | .84 | | -.070 | | | |
| .86 | | .244 | | | | .86 | | .234 | | | |
| .90 | | | | .256 | .287 | .90 | | | | .252 | .275 |
| .91 | .223 | | | | | .91 | .223 | | | | |
| .95 | .181 | .183 | .194 | .205 | .250 | .95 | .173 | .141 | .142 | .201 | .221 |

RUN = 522 POINT = 13

TABLE 94 CONCLUDED

| | (M) ALPHA = .24 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.017 | .261 | .565 | .698 | .624 |
| .05 | .007 | -.296 | -.351 | .698 | -.175 |
| .10 | -.186 | -.285 | -.408 | -.363 | -.195 |
| .20 | -.238 | -.300 | -.299 | -.337 | -.189 |
| .30 | -.198 | -.305 | -.280 | -.297 | -.212 |
| .40 | -.190 | -.251 | -.211 | -.289 | -.234 |
| .50 | -.198 | -.224 | -.226 | -.266 | -.249 |
| .60 | -.149 | -.171 | -.190 | -.279 | -.253 |
| .67 | | | -.194 | | |
| .70 | -.097 | -.167 | | -.295 | -.290 |
| .80 | -.075 | | | -.349 | -.356 |
| .84 | | | .019 | | |
| .86 | | -.138 | | | |
| .90 | | | | -.349 | -.319 |
| .91 | -.058 | | | | |
| .95 | -.052 | -.091 | -.110 | -.210 | -.139 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.039 | -.140 | -.408 | -.501 | -.712 |
| .10 | -.101 | .029 | -.406 | -.539 | -.616 |
| .20 | -.161 | .172 | -.349 | -.458 | -.366 |
| .30 | -.182 | -.222 | -.333 | -.368 | -.269 |
| .40 | -.186 | -.226 | -.305 | -.319 | -.259 |
| .50 | -.139 | -.224 | -.283 | -.252 | -.197 |
| .60 | -.108 | -.150 | -.236 | -.173 | -.080 |
| .67 | | | -.224 | | |
| .70 | -.052 | -.012 | | .057 | .103 |
| .80 | .061 | | | .226 | .216 |
| .84 | | | -.009 | | |
| .86 | | .193 | | | |
| .90 | | | | .294 | .265 |
| .91 | .146 | | | | |
| .95 | .131 | .199 | .254 | .292 | .274 |

RUN = 521 POINT = 3

TABLE 95

WING PRESSURE COEFFICIENTS

RUN = 521 POINT = 4

| (A) ALPHA = -.79 DEGREES | | | | | | (B) ALPHA = .20 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|--------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .299 | .620 | .742 | .606 | 0.00 | .002 | .269 | .591 | .756 | .663 |
| .05 | .012 | -.143 | -.141 | .737 | -.042 | .05 | .006 | -.252 | -.288 | .754 | -.173 |
| .10 | -.123 | -.160 | -.247 | -.161 | -.080 | .10 | -.185 | -.254 | -.403 | -.352 | -.195 |
| .20 | -.201 | -.199 | -.213 | -.179 | -.133 | .20 | -.239 | -.258 | -.367 | -.313 | -.215 |
| .30 | -.164 | -.243 | -.236 | -.192 | -.158 | .30 | -.202 | -.318 | -.297 | -.299 | -.231 |
| .40 | -.162 | -.213 | -.156 | -.194 | -.193 | .40 | -.202 | -.293 | -.193 | -.266 | -.265 |
| .50 | -.168 | -.187 | -.185 | -.197 | -.220 | .50 | -.206 | -.226 | -.237 | -.243 | -.262 |
| .60 | -.120 | -.141 | -.180 | -.221 | -.247 | .60 | -.160 | -.170 | -.226 | -.302 | -.300 |
| .67 | | | -.170 | | | .67 | | | -.193 | | |
| .70 | -.067 | -.160 | | -.255 | -.289 | .70 | -.098 | -.189 | | -.304 | -.339 |
| .80 | -.052 | | | -.351 | -.438 | .80 | -.075 | | | -.400 | -.472 |
| .84 | | | .007 | | | .84 | | | .008 | | |
| .86 | | -.153 | | | | .86 | | -.164 | | | |
| .90 | | | | -.282 | -.357 | .90 | | | | -.341 | -.342 |
| .91 | -.060 | | | | | .91 | -.072 | | | | |
| .95 | -.058 | -.089 | -.097 | -.107 | -.107 | .95 | -.068 | -.085 | -.101 | -.118 | -.104 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.085 | -.284 | -.598 | -.660 | -.798 | .05 | -.035 | -.172 | -.411 | -.472 | -.686 |
| .10 | -.148 | -.013 | -.544 | -.823 | -.933 | .10 | -.108 | -.126 | -.405 | -.630 | -.824 |
| .20 | -.222 | -.159 | -.496 | -.751 | -.917 | .20 | -.187 | -0.000 | -.405 | -.584 | -.773 |
| .30 | -.262 | -.334 | -.500 | -.688 | -.864 | .30 | -.218 | -.251 | -.420 | -.540 | -.684 |
| .40 | -.245 | -.354 | -.489 | -.684 | -.780 | .40 | -.199 | -.276 | -.405 | -.510 | -.206 |
| .50 | -.191 | -.410 | -.413 | -.238 | -.075 | .50 | -.150 | -.342 | -.323 | -.221 | -.180 |
| .60 | -.179 | -.276 | -.277 | -.157 | -.018 | .60 | -.135 | -.207 | -.267 | -.177 | -.066 |
| .67 | | | .023 | | | .67 | | | -.067 | | |
| .70 | -.135 | -.056 | | .078 | .118 | .70 | -.097 | -.035 | | .078 | .124 |
| .80 | .007 | | | .219 | .254 | .80 | .035 | | | .238 | .265 |
| .84 | | | .080 | | | .84 | | | .084 | | |
| .86 | | .130 | | | | .86 | | .166 | | | |
| .90 | | | | .290 | .308 | .90 | | | | .306 | .319 |
| .91 | .112 | | | | | .91 | .135 | | | | |
| .95 | .114 | .173 | .283 | .297 | .288 | .95 | .127 | .189 | .288 | .305 | .310 |

RUN = 521 POINT = 5

TABLE 95 CONTINUED

RUN = 521 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.94 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.009 | .239 | .547 | .749 | .703 | 0.00 | -.025 | .186 | .511 | .742 | .732 |
| .05 | -.007 | -.354 | -.480 | .753 | -.334 | .05 | -.021 | -.449 | -.653 | .744 | -.593 |
| .10 | -.226 | -.343 | -.549 | -.576 | -.336 | .10 | -.253 | -.462 | -.669 | -.679 | -.577 |
| .20 | -.272 | -.368 | -.470 | -.572 | -.305 | .20 | -.318 | -.437 | -.571 | -.738 | -.451 |
| .30 | -.235 | -.390 | -.459 | -.358 | -.282 | .30 | -.265 | -.473 | -.586 | -.650 | -.198 |
| .40 | -.237 | -.340 | -.232 | -.284 | -.316 | .40 | -.269 | -.444 | -.363 | -.554 | -.288 |
| .50 | -.254 | -.274 | -.253 | -.317 | -.344 | .50 | -.301 | -.357 | -.294 | -.151 | -.382 |
| .60 | -.206 | -.195 | -.245 | -.299 | -.353 | .60 | -.246 | -.258 | -.254 | -.301 | -.402 |
| .67 | | | -.218 | | | .67 | | | -.236 | | |
| .70 | -.133 | -.205 | | -.335 | -.345 | .70 | -.171 | -.233 | | -.331 | -.424 |
| .80 | -.097 | | | -.424 | -.496 | .80 | -.121 | | | -.431 | -.570 |
| .84 | | | .006 | | | .84 | | | .010 | | |
| .86 | | -.166 | | | | .86 | | -.162 | | | |
| .90 | | | | -.376 | -.351 | .90 | | | | -.380 | -.239 |
| .91 | -.081 | | | | | .91 | -.088 | | | | |
| .95 | -.068 | -.084 | -.105 | -.110 | -.101 | .95 | -.075 | -.069 | -.094 | -.116 | -.093 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.010 | -.070 | -.244 | -.341 | -.541 | .05 | .010 | .009 | -.113 | -.230 | -.301 |
| .10 | -.074 | -.091 | -.295 | -.499 | -.622 | .10 | -.042 | -.021 | -.190 | -.347 | -.478 |
| .20 | -.153 | -.053 | -.337 | -.438 | -.510 | .20 | -.115 | -.031 | -.232 | -.332 | -.355 |
| .30 | -.185 | -.186 | -.334 | -.403 | -.401 | .30 | -.144 | -.139 | -.261 | -.334 | -.288 |
| .40 | -.170 | -.226 | -.301 | -.451 | -.251 | .40 | -.136 | -.177 | -.259 | -.320 | -.238 |
| .50 | -.120 | -.247 | -.282 | -.218 | -.188 | .50 | -.090 | -.204 | -.235 | -.197 | -.182 |
| .60 | -.101 | -.172 | -.244 | -.179 | -.070 | .60 | -.077 | -.144 | -.213 | -.163 | -.059 |
| .67 | | | -.146 | | | .67 | | | -.131 | | |
| .70 | -.057 | -.022 | | .084 | .120 | .70 | -.031 | -.004 | | .088 | .127 |
| .80 | .061 | | | .250 | .259 | .80 | .083 | | | .258 | .275 |
| .84 | | | .036 | | | .84 | | | .047 | | |
| .86 | | .185 | | | | .86 | | .201 | | | |
| .90 | | | | .309 | .325 | .90 | | | | .319 | .336 |
| .91 | .147 | | | | | .91 | .163 | | | | |
| .95 | .136 | .200 | .288 | .302 | .314 | .95 | .148 | .210 | .310 | .311 | .328 |

RUN = 521 POINT = 7

TABLE 95 CONTINUED

RUN = 521 POINT = 8

| (E) ALPHA = 2.88 DEGREES | | | | | | (F) ALPHA = 3.35 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.048 | .121 | .445 | .722 | .738 | 0.00 | -.061 | .077 | .409 | .713 | .737 |
| .05 | -.046 | -.634 | -.882 | .720 | -.706 | .05 | -.058 | -.715 | -.944 | .707 | -.741 |
| .10 | -.321 | -.576 | -.836 | -.775 | -.730 | .10 | -.375 | -.646 | -.950 | -.830 | -.788 |
| .20 | -.346 | -.486 | -.694 | -.837 | -.717 | .20 | -.384 | -.529 | -.797 | -.891 | -.774 |
| .30 | -.306 | -.533 | -.675 | -.793 | -.681 | .30 | -.321 | -.565 | -.710 | -.852 | -.745 |
| .40 | -.304 | -.535 | -.522 | -.777 | -.652 | .40 | -.325 | -.565 | -.603 | -.838 | -.741 |
| .50 | -.346 | -.451 | -.449 | -.711 | -.558 | .50 | -.354 | -.488 | -.561 | -.805 | -.739 |
| .60 | -.310 | -.359 | -.332 | -.473 | -.150 | .60 | -.340 | -.410 | -.389 | -.697 | -.678 |
| .67 | | | -.268 | | | .67 | | | -.314 | | |
| .70 | -.233 | -.289 | | -.273 | -.309 | .70 | -.272 | -.335 | | -.386 | -.233 |
| .80 | -.166 | | | -.370 | -.477 | .80 | -.197 | | | -.335 | -.356 |
| .84 | | | .009 | | | .84 | | | .011 | | |
| .86 | | -.167 | | | | .86 | | -.172 | | | |
| .90 | | | | -.368 | -.385 | .90 | | | | -.304 | -.349 |
| .91 | -.118 | | | | | .91 | -.134 | | | | |
| .95 | -.090 | -.057 | -.084 | -.118 | -.112 | .95 | -.103 | -.052 | -.083 | -.109 | -.118 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .039 | .092 | -.002 | -.140 | -.132 | .05 | .050 | .134 | .067 | -.063 | -.077 |
| .10 | -.013 | .050 | -.101 | -.231 | -.277 | .10 | .008 | .109 | -.054 | -.180 | -.232 |
| .20 | -.084 | .013 | -.167 | -.244 | -.248 | .20 | -.059 | .070 | -.132 | -.205 | -.208 |
| .30 | -.113 | -.092 | -.193 | -.248 | -.232 | .30 | -.082 | -.069 | -.167 | -.216 | -.183 |
| .40 | -.096 | -.138 | -.193 | -.248 | -.181 | .40 | -.080 | -.111 | -.160 | -.213 | -.158 |
| .50 | -.055 | -.155 | -.191 | -.165 | -.143 | .50 | -.038 | -.134 | -.171 | -.152 | -.122 |
| .60 | -.040 | -.113 | -.180 | -.134 | -.040 | .60 | -.027 | -.102 | -.160 | -.127 | -.021 |
| .67 | | | -.109 | | | .67 | | | -.098 | | |
| .70 | -.006 | .011 | | .099 | .146 | .70 | .004 | .022 | | .112 | .152 |
| .80 | .098 | | | .273 | .300 | .80 | .113 | | | .279 | .308 |
| .84 | | | .039 | | | .84 | | | .054 | | |
| .86 | | .211 | | | | .86 | | .219 | | | |
| .90 | | | | .332 | .368 | .90 | | | | .336 | .372 |
| .91 | .177 | | | | | .91 | .180 | | | | |
| .95 | .154 | .207 | .296 | .329 | .350 | .95 | .153 | .208 | .305 | .338 | .358 |

RUN = 521 POINT = 9

TABLE 95 CONTINUED

RUN = 521 POINT = 10

| (G) ALPHA = 3.86 DEGREES | | | | | | (H) ALPHA = 4.91 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.070 | .048 | .381 | .698 | .734 | 0.00 | -.110 | -.044 | .294 | .643 | .730 |
| .05 | -.078 | -.810 | -1.018 | .694 | -.782 | .05 | -.120 | -1.049 | -1.130 | .652 | -.869 |
| .10 | -.389 | -.717 | -1.026 | -.876 | -.827 | .10 | -.428 | -.922 | -1.171 | -.970 | -.920 |
| .20 | -.410 | -.574 | -.893 | -.933 | -.809 | .20 | -.467 | -.640 | -1.090 | -1.014 | -.914 |
| .30 | -.335 | -.583 | -.734 | -.905 | -.789 | .30 | -.362 | -.634 | -.894 | -.996 | -.891 |
| .40 | -.352 | -.602 | -.655 | -.880 | -.791 | .40 | -.380 | -.659 | -.711 | -.981 | -.896 |
| .50 | -.366 | -.529 | -.595 | -.856 | -.800 | .50 | -.405 | -.591 | -.674 | -.952 | -.887 |
| .60 | -.362 | -.452 | -.484 | -.843 | -.796 | .60 | -.401 | -.566 | -.628 | -.963 | -.893 |
| .67 | | | -.351 | | | .67 | | | -.527 | | |
| .70 | -.300 | -.372 | | -.806 | -.756 | .70 | -.370 | -.491 | | -.948 | -.829 |
| .80 | -.231 | | | -.283 | -.485 | .80 | -.308 | | | -.586 | -.678 |
| .84 | | | .014 | | | .84 | | | .009 | | |
| .86 | | -.187 | | | | .86 | | -.209 | | | |
| .90 | | | | -.280 | -.265 | .90 | | | | -.338 | -.291 |
| .91 | -.153 | | | | | .91 | -.222 | | | | |
| .95 | -.123 | -.063 | -.088 | -.101 | -.110 | .95 | -.173 | -.087 | -.097 | -.061 | -.115 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .061 | .156 | .114 | -.014 | -.021 | .05 | .089 | .222 | .208 | .076 | .066 |
| .10 | .023 | .143 | -.016 | -.106 | -.165 | .10 | .051 | .196 | .076 | -.013 | -.066 |
| .20 | -.043 | .117 | -.101 | -.174 | -.174 | .20 | -.006 | .159 | -.037 | -.103 | -.100 |
| .30 | -.072 | -.044 | -.152 | -.184 | -.165 | .30 | -.031 | .003 | -.094 | -.126 | -.115 |
| .40 | -.069 | -.088 | -.138 | -.189 | -.139 | .40 | -.027 | -.041 | -.114 | -.140 | -.109 |
| .50 | -.022 | -.117 | -.162 | -.139 | -.099 | .50 | .007 | -.081 | -.120 | -.116 | -.082 |
| .60 | -.007 | -.084 | -.156 | -.117 | -.006 | .60 | .020 | -.058 | -.133 | -.097 | -.007 |
| .67 | | | -.077 | | | .67 | | | -.076 | | |
| .70 | .017 | .027 | | .107 | .166 | .70 | .041 | .042 | | .122 | .156 |
| .80 | .115 | | | .284 | .325 | .80 | .135 | | | .282 | .299 |
| .84 | | | .070 | | | .84 | | | .058 | | |
| .86 | | .223 | | | | .86 | | .227 | | | |
| .90 | | | | .349 | .381 | .90 | | | | .344 | .364 |
| .91 | .185 | | | | | .91 | .193 | | | | |
| .95 | .158 | .207 | .296 | .343 | .371 | .95 | .164 | .190 | .281 | .338 | .347 |

RUN = 521 POINT = 11

TABLE 95 CONTINUED

RUN = 521 POINT = 12

| (I) ALPHA = 6.01 DEGREES | | | | | | (J) ALPHA = 8.01 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.153 | -.139 | .224 | .590 | .705 | 0.00 | -.255 | -.300 | .065 | .491 | .645 |
| .05 | -.168 | -1.192 | -1.208 | .607 | -.963 | .05 | -.275 | -1.275 | -1.361 | .494 | -1.114 |
| .10 | -.476 | -1.114 | -1.254 | -1.050 | -1.006 | .10 | -.653 | -1.256 | -1.334 | -1.205 | -1.152 |
| .20 | -.508 | -.731 | -1.202 | -1.087 | -.983 | .20 | -.563 | -1.116 | -1.313 | -1.222 | -1.123 |
| .30 | -.399 | -.679 | -1.139 | -1.065 | -.965 | .30 | -.465 | -1.014 | -1.264 | -1.194 | -1.049 |
| .40 | -.403 | -.694 | -.829 | -1.056 | -.965 | .40 | -.459 | -.881 | -1.074 | -1.167 | -.985 |
| .50 | -.439 | -.632 | -.713 | -1.037 | -.956 | .50 | -.499 | -.756 | -.926 | -1.115 | -.703 |
| .60 | -.433 | -.625 | -.690 | -1.037 | -.910 | .60 | -.509 | -.702 | -.820 | -.823 | -.509 |
| .67 | | | -.625 | | | .67 | | | -.649 | | |
| .70 | -.410 | -.559 | | -.993 | -.829 | .70 | -.507 | -.641 | | -.658 | -.404 |
| .80 | -.356 | | | -.657 | -.570 | .80 | -.461 | | | -.456 | -.359 |
| .84 | | | .008 | | | .84 | | | -.010 | | |
| .86 | | -.228 | | | | .86 | | -.298 | | | |
| .90 | | | | -.479 | -.213 | .90 | | | | -.448 | -.335 |
| .91 | -.301 | | | | | .91 | -.411 | | | | |
| .95 | -.230 | -.109 | -.084 | -.170 | -.175 | .95 | -.338 | -.135 | -.229 | -.369 | -.319 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .105 | .286 | .294 | .119 | .151 | .05 | .123 | .365 | .419 | .165 | .288 |
| .10 | .084 | .261 | .159 | .078 | -.001 | .10 | .129 | .328 | .260 | .207 | .110 |
| .20 | .033 | .220 | .031 | -.029 | -.050 | .20 | .099 | .273 | .132 | .099 | .020 |
| .30 | .013 | .054 | -.030 | -.073 | -.077 | .30 | .083 | .133 | .048 | -.006 | -.027 |
| .40 | .013 | .006 | -.071 | -.104 | -.092 | .40 | .079 | .067 | .012 | -.046 | -.071 |
| .50 | .042 | -.039 | -.076 | -.091 | -.092 | .50 | .102 | .021 | -.033 | -.079 | -.094 |
| .60 | .044 | -.028 | -.111 | -.097 | -.025 | .60 | .095 | .017 | -.072 | -.120 | -.058 |
| .67 | | | -.062 | | | .67 | | | -.059 | | |
| .70 | .071 | .058 | | .110 | .120 | .70 | .110 | .089 | | .065 | .080 |
| .80 | .159 | | | .286 | .286 | .80 | .183 | | | .234 | .251 |
| .84 | | | .073 | | | .84 | | | .068 | | |
| .86 | | .235 | | | | .86 | | .244 | | | |
| .90 | | | | .333 | .340 | .90 | | | | .285 | .306 |
| .91 | .209 | | | | | .91 | .225 | | | | |
| .95 | .172 | .196 | .289 | .318 | .315 | .95 | .179 | .196 | .260 | .256 | .267 |

RUN = 521 POINT = 13

TABLE 95 CONCLUDED

RUN = 521 POINT = 14

| (K) ALPHA = 11.71 DEGREES | | | | | | (L) ALPHA = .25 DEGREES | | | | | |
|---------------------------|--------|--------|--------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.502 | -.654 | -.273 | .259 | .537 | 0.00 | -.003 | .277 | .599 | .759 | .661 |
| .05 | -.529 | -1.307 | -1.159 | .255 | -.673 | .05 | -.002 | -.269 | -.284 | .761 | -.166 |
| .10 | -1.005 | -1.309 | -1.156 | -.685 | -.606 | .10 | -.135 | -.265 | -.409 | -.345 | -.205 |
| .20 | -.681 | -1.311 | -1.011 | -.683 | -.574 | .20 | -.230 | -.270 | -.369 | -.325 | -.209 |
| .30 | -.510 | -1.375 | -.900 | -.679 | -.561 | .30 | -.202 | -.311 | -.300 | -.290 | -.225 |
| .40 | -.520 | -1.375 | -.852 | -.672 | -.539 | .40 | -.200 | -.286 | -.192 | -.265 | -.247 |
| .50 | -.566 | -1.156 | -.815 | -.655 | -.521 | .50 | -.209 | -.219 | -.233 | -.243 | -.265 |
| .60 | -.595 | -.888 | -.794 | -.644 | -.501 | .60 | -.161 | -.173 | -.221 | -.259 | -.296 |
| .67 | | | -.775 | | | .67 | | | -.190 | | |
| .70 | -.556 | -.819 | | -.641 | -.494 | .70 | -.098 | -.185 | | -.300 | -.333 |
| .80 | -.230 | | | -.595 | -.490 | .80 | -.073 | | | -.391 | -.472 |
| .84 | | | -.069 | | | .84 | | | .004 | | |
| .86 | | -.688 | | | | .86 | | -.162 | | | |
| .90 | | | | -.589 | -.480 | .90 | | | | -.332 | -.333 |
| .91 | -.347 | | | | | .91 | -.068 | | | | |
| .95 | -.337 | -.636 | -.678 | -.552 | -.463 | .95 | -.062 | -.083 | -.104 | -.128 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .124 | .443 | .571 | .330 | .449 | .05 | -.041 | -.167 | -.397 | -.492 | -.694 |
| .10 | .181 | .402 | .425 | .374 | .267 | .10 | -.104 | .020 | -.402 | -.634 | -.820 |
| .20 | .199 | .346 | .273 | .253 | .139 | .20 | -.181 | .165 | -.400 | -.569 | -.743 |
| .30 | .193 | .245 | .176 | .092 | .057 | .30 | -.215 | -.238 | -.408 | -.514 | -.673 |
| .40 | .181 | .175 | .112 | .038 | -.014 | .40 | -.207 | -.277 | -.395 | -.505 | -.196 |
| .50 | .187 | .118 | .047 | -.044 | -.061 | .50 | -.158 | -.323 | -.325 | -.214 | -.173 |
| .60 | .170 | .087 | -.031 | -.119 | -.056 | .60 | -.138 | -.204 | -.257 | -.175 | -.061 |
| .67 | | | -.055 | | | .67 | | | -.173 | | |
| .70 | .170 | .118 | | .035 | .069 | .70 | -.091 | -.031 | | .078 | .123 |
| .80 | .220 | | | .211 | .236 | .80 | .036 | | | .243 | .261 |
| .84 | | | .074 | | | .84 | | | .005 | | |
| .86 | | .252 | | | | .86 | | .165 | | | |
| .90 | | | | .262 | .290 | .90 | | | | .302 | .326 |
| .91 | .241 | | | | | .91 | .134 | | | | |
| .95 | .183 | .155 | .202 | .224 | .242 | .95 | .126 | .190 | .291 | .315 | .311 |

RUN = 520 POINT = 6

TABLE 96

WING PRESSURE COEFFICIENTS

RUN = 520 POINT = 7

| (A) ALPHA = -.78 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .005 | .301 | .622 | .749 | .618 | 0.00 | -0.000 | .278 | .601 | .761 | .679 |
| .05 | .011 | -.149 | -.139 | .747 | -.047 | .05 | .003 | -.255 | -.272 | .756 | -.196 |
| .10 | -.124 | -.160 | -.259 | -.185 | -.090 | .10 | -.180 | -.249 | -.392 | -.383 | -.203 |
| .20 | -.208 | -.200 | -.254 | -.193 | -.141 | .20 | -.247 | -.291 | -.394 | -.312 | -.226 |
| .30 | -.173 | -.237 | -.259 | -.211 | -.175 | .30 | -.205 | -.328 | -.331 | -.278 | -.232 |
| .40 | -.168 | -.227 | -.157 | -.205 | -.207 | .40 | -.205 | -.295 | -.200 | -.310 | -.253 |
| .50 | -.170 | -.195 | -.189 | -.189 | -.234 | .50 | -.220 | -.215 | -.221 | -.265 | -.284 |
| .60 | -.120 | -.143 | -.202 | -.224 | -.245 | .60 | -.161 | -.166 | -.244 | -.292 | -.309 |
| .67 | | | -.187 | | | .67 | | | -.236 | | |
| .70 | -.072 | -.174 | | -.276 | -.306 | .70 | -.103 | -.187 | | -.296 | -.329 |
| .80 | -.055 | | | -.388 | -.457 | .80 | -.070 | | | -.421 | -.481 |
| .84 | | | .014 | | | .84 | | | .016 | | |
| .86 | | -.164 | | | | .86 | | -.185 | | | |
| .90 | | | | -.260 | -.345 | .90 | | | | -.316 | -.350 |
| .91 | -.067 | | | | | .91 | -.074 | | | | |
| .95 | -.069 | -.097 | -.096 | -.103 | -.081 | .95 | -.072 | -.086 | -.099 | -.103 | -.090 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.078 | -.296 | -.592 | -.615 | -.734 | .05 | -.040 | -.162 | -.383 | -.483 | -.640 |
| .10 | -.143 | .081 | -.568 | -.785 | -.877 | .10 | -.104 | -.082 | -.412 | -.630 | -.777 |
| .20 | -.223 | .459 | -.513 | -.738 | -.859 | .20 | -.182 | .156 | -.421 | -.598 | -.759 |
| .30 | -.297 | -.325 | -.506 | -.685 | -.847 | .30 | -.247 | -.263 | -.429 | -.556 | -.705 |
| .40 | -.238 | -.336 | -.501 | -.696 | -.809 | .40 | -.205 | -.291 | -.423 | -.594 | -.664 |
| .50 | -.191 | -.441 | -.590 | -.734 | -.468 | .50 | -.152 | -.352 | -.409 | -.419 | -.162 |
| .60 | -.179 | -.349 | -.320 | -.159 | -.049 | .60 | -.142 | -.261 | -.292 | -.147 | -.027 |
| .67 | | | .404 | | | .67 | | | .099 | | |
| .70 | -.150 | -.078 | | .047 | .095 | .70 | -.106 | -.048 | | .081 | .145 |
| .80 | -.006 | | | .183 | .202 | .80 | .024 | | | .236 | .284 |
| .84 | | | .103 | | | .84 | | | .097 | | |
| .86 | | .116 | | | | .86 | | .156 | | | |
| .90 | | | | .279 | .251 | .90 | | | | .303 | .355 |
| .91 | .100 | | | | | .91 | .126 | | | | |
| .95 | .108 | .168 | .301 | .318 | .245 | .95 | .122 | .191 | .300 | .298 | .332 |

| (C) ALPHA = 1.13 DEGREES | | | | | | (D) ALPHA = 1.98 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.008 | .235 | .564 | .757 | .710 | 0.00 | -.024 | .194 | .519 | .744 | .728 |
| .05 | -.004 | -.351 | -.432 | .752 | -.384 | .05 | -.022 | -.463 | -.631 | .750 | -.541 |
| .10 | -.256 | -.347 | -.549 | -.542 | -.325 | .10 | -.272 | -.442 | -.654 | -.638 | -.561 |
| .20 | -.281 | -.355 | -.489 | -.564 | -.289 | .20 | -.323 | -.408 | -.567 | -.707 | -.559 |
| .30 | -.235 | -.409 | -.515 | -.464 | -.257 | .30 | -.278 | -.466 | -.589 | -.649 | -.539 |
| .40 | -.241 | -.380 | -.306 | -.377 | -.300 | .40 | -.274 | -.468 | -.430 | -.606 | -.455 |
| .50 | -.264 | -.320 | -.270 | -.207 | -.332 | .50 | -.300 | -.385 | -.381 | -.555 | -.190 |
| .60 | -.215 | -.223 | -.244 | -.256 | -.369 | .60 | -.276 | -.305 | -.305 | -.390 | -.175 |
| .67 | | | -.228 | | | .67 | | | -.282 | | |
| .70 | -.139 | -.207 | | -.306 | -.400 | .70 | -.187 | -.269 | | -.321 | -.309 |
| .80 | -.101 | | | -.451 | -.525 | .80 | -.147 | | | -.347 | -.504 |
| .84 | | | .018 | | | .84 | | | .019 | | |
| .86 | | -.173 | | | | .86 | | -.191 | | | |
| .90 | | | | -.368 | -.278 | .90 | | | | -.345 | -.532 |
| .91 | -.084 | | | | | .91 | -.107 | | | | |
| .95 | -.074 | -.074 | -.101 | -.100 | -.089 | .95 | -.088 | -.066 | -.087 | -.128 | -.111 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.069 | -.248 | -.361 | -.518 | .05 | .017 | .005 | -.113 | -.229 | -.320 |
| .10 | -.070 | -.069 | -.294 | -.491 | -.641 | .10 | -.043 | -.018 | -.191 | -.385 | -.491 |
| .20 | -.158 | .035 | -.326 | -.471 | -.564 | .20 | -.124 | .009 | -.249 | -.367 | -.416 |
| .30 | -.180 | -.181 | -.355 | -.442 | -.475 | .30 | -.149 | -.142 | -.282 | -.352 | -.338 |
| .40 | -.171 | -.228 | -.355 | -.479 | -.310 | .40 | -.134 | -.180 | -.271 | -.407 | -.243 |
| .50 | -.120 | -.295 | -.305 | -.194 | -.198 | .50 | -.088 | -.219 | -.258 | -.186 | -.175 |
| .60 | -.106 | -.198 | -.261 | -.160 | -.065 | .60 | -.075 | -.157 | -.244 | -.156 | -.059 |
| .67 | | | -.040 | | | .67 | | | -.102 | | |
| .70 | -.067 | -.027 | | .085 | .128 | .70 | -.037 | -.011 | | .097 | .130 |
| .80 | .059 | | | .247 | .272 | .80 | .077 | | | .265 | .279 |
| .84 | | | .098 | | | .84 | | | .105 | | |
| .86 | | .177 | | | | .86 | | .197 | | | |
| .90 | | | | .311 | .345 | .90 | | | | .322 | .348 |
| .91 | .144 | | | | | .91 | .160 | | | | |
| .95 | .137 | .201 | .315 | .302 | .330 | .95 | .143 | .202 | .321 | .318 | .334 |

RUN = 520 POINT = 10

TABLE 96 CONTINUED

RUN = 520 POINT = 11

| (E) ALPHA = 2.93 DEGREES | | | | | | (F) ALPHA = 3.50 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.050 | .130 | .471 | .731 | .735 | 0.00 | -.076 | .096 | .432 | .715 | .742 |
| .05 | -.048 | -.621 | -.818 | .730 | -.640 | .05 | -.070 | -.697 | -.916 | .721 | -.683 |
| .10 | -.320 | -.563 | -.808 | -.717 | -.685 | .10 | -.378 | -.625 | -.922 | -.775 | -.731 |
| .20 | -.366 | -.493 | -.689 | -.788 | -.667 | .20 | -.403 | -.518 | -.808 | -.835 | -.717 |
| .30 | -.283 | -.514 | -.649 | -.768 | -.672 | .30 | -.301 | -.549 | -.685 | -.818 | -.710 |
| .40 | -.313 | -.530 | -.552 | -.748 | -.658 | .40 | -.329 | -.572 | -.612 | -.817 | -.712 |
| .50 | -.328 | -.463 | -.530 | -.708 | -.672 | .50 | -.340 | -.496 | -.562 | -.777 | -.719 |
| .60 | -.318 | -.386 | -.425 | -.650 | -.672 | .60 | -.337 | -.434 | -.510 | -.773 | -.735 |
| .67 | | | -.361 | | | .67 | | | -.407 | | |
| .70 | -.254 | -.342 | | -.580 | -.644 | .70 | -.286 | -.385 | | -.716 | -.756 |
| .80 | -.209 | | | -.361 | -.389 | .80 | -.229 | | | -.479 | -.692 |
| .84 | | | .017 | | | .84 | | | .017 | | |
| .86 | | -.226 | | | | .86 | | -.231 | | | |
| .90 | | | | -.323 | -.325 | .90 | | | | -.324 | -.335 |
| .91 | -.154 | | | | | .91 | -.188 | | | | |
| .95 | -.122 | -.067 | -.090 | -.093 | -.114 | .95 | -.144 | -.074 | -.101 | -.053 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .042 | .080 | -.002 | -.142 | -.175 | .05 | .057 | .128 | .072 | -.075 | -.098 |
| .10 | -.018 | .050 | -.096 | -.239 | -.387 | .10 | .008 | .095 | -.040 | -.161 | -.256 |
| .20 | -.091 | .030 | -.176 | -.285 | -.294 | .20 | -.063 | .069 | -.127 | -.235 | -.240 |
| .30 | -.122 | -.082 | -.216 | -.285 | -.264 | .30 | -.086 | -.056 | -.179 | -.239 | -.210 |
| .40 | -.103 | -.145 | -.218 | -.314 | -.201 | .40 | -.074 | -.105 | -.181 | -.228 | -.176 |
| .50 | -.061 | -.173 | -.234 | -.185 | -.137 | .50 | -.036 | -.148 | -.188 | -.165 | -.121 |
| .60 | -.048 | -.132 | -.210 | -.146 | -.027 | .60 | -.023 | -.107 | -.194 | -.133 | -.021 |
| .67 | | | -.147 | | | .67 | | | -.122 | | |
| .70 | -.014 | -.001 | | .104 | .157 | .70 | .004 | .012 | | .104 | .155 |
| .80 | .095 | | | .269 | .306 | .80 | .110 | | | .272 | .312 |
| .84 | | | .058 | | | .84 | | | .054 | | |
| .86 | | .210 | | | | .86 | | .208 | | | |
| .90 | | | | .336 | .372 | .90 | | | | .335 | .372 |
| .91 | .172 | | | | | .91 | .179 | | | | |
| .95 | .153 | .201 | .296 | .329 | .357 | .95 | .155 | .199 | .297 | .332 | .358 |

RUN = 520 POINT = 12

TABLE 96 CONTINUED

RUN = 520 POINT = 13

| (G) ALPHA = 3.88 DEGREES | | | | | | (H) ALPHA = 4.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.072 | .069 | .403 | .706 | .745 | 0.00 | -.113 | -.028 | .331 | .669 | .736 |
| .05 | -.072 | -.772 | -.955 | .706 | -.718 | .05 | -.113 | -1.005 | -1.069 | .673 | -.794 |
| .10 | -.415 | -.687 | -.991 | -.807 | -.765 | .10 | -.476 | -.921 | -1.094 | -.906 | -.857 |
| .20 | -.412 | -.559 | -.872 | -.861 | -.756 | .20 | -.447 | -.608 | -1.037 | -.946 | -.839 |
| .30 | -.308 | -.564 | -.704 | -.845 | -.742 | .30 | -.358 | -.619 | -.904 | -.943 | -.927 |
| .40 | -.336 | -.581 | -.647 | -.841 | -.745 | .40 | -.364 | -.632 | -.676 | -.924 | -.834 |
| .50 | -.353 | -.513 | -.602 | -.820 | -.756 | .50 | -.392 | -.574 | -.661 | -.906 | -.836 |
| .60 | -.349 | -.473 | -.566 | -.830 | -.765 | .60 | -.387 | -.556 | -.648 | -.919 | -.852 |
| .67 | | | -.456 | | | .67 | | | -.564 | | |
| .70 | -.304 | -.420 | | -.780 | -.775 | .70 | -.356 | -.499 | | -.917 | -.798 |
| .80 | -.249 | | | -.592 | -.694 | .80 | -.297 | | | -.807 | -.687 |
| .84 | | | .010 | | | .84 | | | .005 | | |
| .86 | | -.250 | | | | .86 | | -.287 | | | |
| .90 | | | | -.421 | -.345 | .90 | | | | -.705 | -.405 |
| .91 | -.210 | | | | | .91 | -.273 | | | | |
| .95 | -.163 | -.082 | -.116 | -.057 | -.206 | .95 | -.229 | -.123 | -.152 | -.119 | -.294 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .062 | .158 | .101 | -.037 | -.064 | .05 | .084 | .221 | .198 | .050 | .043 |
| .10 | .019 | .137 | -.019 | -.134 | -.226 | .10 | .049 | .193 | .056 | -.043 | -.113 |
| .20 | -.051 | .111 | -.103 | -.199 | -.208 | .20 | -.013 | .162 | -.041 | -.119 | -.142 |
| .30 | -.070 | -.038 | -.163 | -.226 | -.205 | .30 | -.036 | .007 | -.103 | -.156 | -.155 |
| .40 | -.065 | -.093 | -.158 | -.224 | -.162 | .40 | -.028 | -.051 | -.125 | -.186 | -.142 |
| .50 | -.027 | -.127 | -.181 | -.163 | -.123 | .50 | .007 | -.093 | -.141 | -.148 | -.122 |
| .60 | -.016 | -.101 | -.192 | -.128 | -.029 | .60 | .011 | -.074 | -.165 | -.119 | -.044 |
| .67 | | | -.100 | | | .67 | | | -.088 | | |
| .70 | .014 | .014 | | .112 | .155 | .70 | .033 | .030 | | .100 | .116 |
| .80 | .113 | | | .273 | .296 | .80 | .130 | | | .274 | .279 |
| .84 | | | .056 | | | .84 | | | .056 | | |
| .86 | | .212 | | | | .86 | | .218 | | | |
| .90 | | | | .340 | .361 | .90 | | | | .343 | .334 |
| .91 | .183 | | | | | .91 | .188 | | | | |
| .95 | .151 | .195 | .304 | .333 | .344 | .95 | .154 | .183 | .277 | .324 | .304 |

RUN = 520 POINT = 14

TABLE 96

CONTINUED

RUN = 520 POINT = 15

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.152 | -.099 | .264 | .615 | .720 | 0.00 | -.252 | -.267 | .101 | .516 | .677 |
| .05 | -.165 | -1.141 | -1.162 | .622 | -.886 | .05 | -.275 | -1.237 | -1.294 | .521 | -1.026 |
| .10 | -.491 | -1.074 | -1.202 | -.988 | -.932 | .10 | -.657 | -1.206 | -1.285 | -1.128 | -1.069 |
| .20 | -.480 | -.707 | -1.139 | -1.028 | -.923 | .20 | -.547 | -1.070 | -1.256 | -1.152 | -1.057 |
| .30 | -.391 | -.672 | -1.107 | -1.017 | -.914 | .30 | -.447 | -.978 | -1.218 | -1.136 | -1.028 |
| .40 | -.391 | -.659 | -.894 | -1.009 | -.914 | .40 | -.445 | -.849 | -1.080 | -1.125 | -.978 |
| .50 | -.423 | -.619 | -.707 | -.988 | -.911 | .50 | -.479 | -.743 | -.944 | -1.083 | -.934 |
| .60 | -.413 | -.612 | -.682 | -.991 | -.887 | .60 | -.487 | -.673 | -.855 | -1.027 | -.684 |
| .67 | | | -.633 | | | .67 | | | -.741 | | |
| .70 | -.402 | -.561 | | -.979 | -.839 | .70 | -.483 | -.635 | | -.915 | -.490 |
| .80 | -.351 | | | -.770 | -.686 | .80 | -.443 | | | -.521 | -.415 |
| .84 | | | .004 | | | .84 | | | -.009 | | |
| .86 | | -.331 | | | | .86 | | -.438 | | | |
| .90 | | | | -.569 | -.327 | .90 | | | | -.505 | -.385 |
| .91 | -.342 | | | | | .91 | -.432 | | | | |
| .95 | -.306 | -.151 | -.170 | -.332 | -.261 | .95 | -.430 | -.187 | -.278 | -.420 | -.367 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .102 | .276 | .292 | .112 | .120 | .05 | .126 | .361 | .413 | .182 | .264 |
| .10 | .076 | .247 | .137 | .040 | -.032 | .10 | .126 | .321 | .246 | .176 | .091 |
| .20 | .029 | .209 | .022 | -.044 | -.087 | .20 | .098 | .271 | .120 | .072 | .004 |
| .30 | .008 | .052 | -.053 | -.100 | -.107 | .30 | .081 | .129 | .039 | -.028 | -.043 |
| .40 | .010 | -.006 | -.095 | -.140 | -.120 | .40 | .075 | .062 | -.003 | -.075 | -.091 |
| .50 | .040 | -.054 | -.106 | -.126 | -.121 | .50 | .098 | .011 | -.050 | -.106 | -.114 |
| .60 | .042 | -.046 | -.147 | -.129 | -.066 | .60 | .094 | .005 | -.095 | -.139 | -.081 |
| .67 | | | -.086 | | | .67 | | | -.079 | | |
| .70 | .057 | .040 | | .092 | .097 | .70 | .103 | .072 | | .055 | .075 |
| .80 | .148 | | | .255 | .264 | .80 | .181 | | | .236 | .243 |
| .84 | | | .056 | | | .84 | | | .052 | | |
| .86 | | .222 | | | | .86 | | .240 | | | |
| .90 | | | | .317 | .320 | .90 | | | | .289 | .300 |
| .91 | .200 | | | | | .91 | .216 | | | | |
| .95 | .159 | .178 | .273 | .280 | .292 | .95 | .167 | .181 | .244 | .252 | .264 |

RUN = 520 POINT = 16

TABLE 96 CONCLUDED

RUN = 520 POINT = 17

| (K) ALPHA = 11.83 DEGREES | | | | | | (L) ALPHA = .27 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.491 | -.627 | -.229 | .275 | .540 | 0.00 | .001 | .273 | .595 | .754 | .676 |
| .05 | -.497 | -1.238 | -1.243 | .271 | -.666 | .05 | .005 | -.260 | -.264 | .760 | -.176 |
| .10 | -1.027 | -1.244 | -1.232 | -.701 | -.619 | .10 | -.145 | -.260 | -.398 | -.403 | -.216 |
| .20 | -.825 | -1.244 | -1.107 | -.699 | -.598 | .20 | -.239 | -.295 | -.386 | -.331 | -.225 |
| .30 | -.465 | -1.322 | -1.025 | -.679 | -.585 | .30 | -.207 | -.330 | -.356 | -.277 | -.236 |
| .40 | -.487 | -1.341 | -.937 | -.661 | -.564 | .40 | -.203 | -.298 | -.196 | -.313 | -.254 |
| .50 | -.535 | -1.364 | -.852 | -.649 | -.537 | .50 | -.213 | -.236 | -.228 | -.263 | -.287 |
| .60 | -.559 | -1.290 | -.806 | -.650 | -.534 | .60 | -.169 | -.166 | -.228 | -.288 | -.312 |
| .67 | | | -.763 | | | .67 | | | -.236 | | |
| .70 | -.563 | -.929 | | -.634 | -.513 | .70 | -.103 | -.187 | | -.301 | -.330 |
| .80 | -.521 | | | -.600 | -.500 | .80 | -.073 | | | -.432 | -.484 |
| .84 | | | -.063 | | | .84 | | | .008 | | |
| .86 | | -.621 | | | | .86 | | -.190 | | | |
| .90 | | | | -.593 | -.502 | .90 | | | | -.385 | -.339 |
| .91 | -.204 | | | | | .91 | -.075 | | | | |
| .95 | -.185 | -.592 | -.689 | -.566 | -.479 | .95 | -.073 | -.085 | -.098 | -.116 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .136 | .447 | .575 | .438 | .452 | .05 | -.038 | -.183 | -.362 | -.465 | -.637 |
| .10 | .189 | .403 | .433 | .367 | .271 | .10 | -.109 | .010 | -.396 | -.618 | -.779 |
| .20 | .213 | .346 | .289 | .245 | .141 | .20 | -.188 | .153 | -.412 | -.592 | -.752 |
| .30 | .200 | .262 | .185 | .103 | .063 | .30 | -.233 | -.247 | -.421 | -.549 | -.715 |
| .40 | .192 | .187 | .126 | .040 | -.007 | .40 | -.199 | -.285 | -.427 | -.591 | -.651 |
| .50 | .205 | .132 | .054 | -.040 | -.059 | .50 | -.152 | -.351 | -.438 | -.349 | -.156 |
| .60 | .185 | .095 | -.019 | -.103 | -.050 | .60 | -.143 | -.251 | -.285 | -.147 | -.025 |
| .67 | | | -.067 | | | .67 | | | -.173 | | |
| .70 | .179 | .134 | | .050 | .070 | .70 | -.107 | -.051 | | .084 | .138 |
| .80 | .234 | | | .227 | .241 | .80 | .025 | | | .244 | .285 |
| .84 | | | .086 | | | .84 | | | .022 | | |
| .86 | | .267 | | | | .86 | | .153 | | | |
| .90 | | | | .287 | .298 | .90 | | | | .302 | .350 |
| .91 | .260 | | | | | .91 | .127 | | | | |
| .95 | .205 | .181 | .207 | .238 | .252 | .95 | .121 | .189 | .282 | .301 | .327 |

RUN = 519 POINT = 3

TABLE 97

WING PRESSURE COEFFICIENTS

RUN = 519 POINT = 4

| (A) ALPHA = -.78 DEGREES | | | | | | (B) ALPHA = .20 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .024 | .296 | .639 | .747 | .603 | 0.00 | .015 | .278 | .615 | .750 | .643 |
| .05 | .022 | -.148 | -.137 | .743 | -.100 | .05 | .017 | -.241 | -.266 | .750 | -.200 |
| .10 | -.114 | -.144 | -.259 | -.183 | -.162 | .10 | -.179 | -.237 | -.394 | -.402 | -.267 |
| .20 | -.212 | -.195 | -.239 | -.203 | -.197 | .20 | -.265 | -.284 | -.371 | -.377 | -.269 |
| .30 | -.168 | -.259 | -.214 | -.210 | -.222 | .30 | -.217 | -.337 | -.388 | -.334 | -.281 |
| .40 | -.167 | -.224 | -.152 | -.243 | -.255 | .40 | -.205 | -.294 | -.225 | -.269 | -.310 |
| .50 | -.161 | -.161 | -.198 | -.219 | -.285 | .50 | -.217 | -.253 | -.219 | -.242 | -.354 |
| .60 | -.118 | -.131 | -.188 | -.259 | -.330 | .60 | -.162 | -.167 | -.193 | -.296 | -.363 |
| .67 | | | -.210 | | | .67 | | | -.212 | | |
| .70 | -.056 | -.152 | | -.275 | -.362 | .70 | -.104 | -.168 | | -.337 | -.417 |
| .80 | -.043 | | | -.428 | -.503 | .80 | -.070 | | | -.448 | -.545 |
| .84 | | | .045 | | | .84 | | | .041 | | |
| .86 | | -.199 | | | | .86 | | -.202 | | | |
| .90 | | | | -.401 | -.314 | .90 | | | | -.477 | -.340 |
| .91 | -.067 | | | | | .91 | -.080 | | | | |
| .95 | -.076 | -.094 | -.088 | -.108 | -.105 | .95 | -.082 | -.093 | -.101 | -.113 | -.126 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.069 | -.299 | -.598 | -.480 | -.721 | .05 | -.031 | -.165 | -.366 | -.360 | -.636 |
| .10 | -.125 | .187 | -.521 | -.740 | -.856 | .10 | -.095 | -.039 | -.407 | -.600 | -.774 |
| .20 | -.221 | .496 | -.510 | -.713 | -.850 | .20 | -.192 | .198 | -.402 | -.586 | -.757 |
| .30 | -.277 | -.319 | -.492 | -.663 | -.856 | .30 | -.252 | -.249 | -.423 | -.565 | -.748 |
| .40 | -.309 | -.319 | -.499 | -.686 | -.856 | .40 | -.226 | -.268 | -.434 | -.606 | -.730 |
| .50 | -.151 | -.412 | -.605 | -.724 | -.785 | .50 | -.143 | -.365 | -.525 | -.667 | -.693 |
| .60 | -.167 | -.393 | -.539 | -.289 | -.202 | .60 | -.134 | -.311 | -.362 | -.207 | -.100 |
| .67 | | | .278 | | | .67 | | | .018 | | |
| .70 | -.153 | -.103 | | -.124 | -.023 | .70 | -.115 | -.065 | | .005 | .074 |
| .80 | -.026 | | | .025 | .128 | .80 | .017 | | | .152 | .218 |
| .84 | | | .064 | | | .84 | | | .070 | | |
| .86 | | .111 | | | | .86 | | .145 | | | |
| .90 | | | | .198 | .168 | .90 | | | | .232 | .308 |
| .91 | .095 | | | | | .91 | .118 | | | | |
| .95 | .105 | .169 | .253 | .217 | .177 | .95 | .118 | .186 | .254 | .243 | .294 |

| (C) ALPHA = 1.13 DEGREES | | | | | | (D) ALPHA = 1.91 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .250 | .576 | .749 | .665 | 0.00 | -.010 | .212 | .543 | .742 | .681 |
| .05 | -0.000 | -.340 | -.420 | .745 | -.434 | .05 | -.019 | -.418 | -.589 | .737 | -.526 |
| .10 | -.236 | -.357 | -.531 | -.527 | -.457 | .10 | -.260 | -.448 | -.589 | -.595 | -.570 |
| .20 | -.316 | -.322 | -.454 | -.567 | -.446 | .20 | -.329 | -.398 | -.540 | -.658 | -.565 |
| .30 | -.228 | -.396 | -.510 | -.522 | -.416 | .30 | -.260 | -.436 | -.565 | -.631 | -.563 |
| .40 | -.258 | -.386 | -.341 | -.493 | -.374 | .40 | -.273 | -.457 | -.453 | -.603 | -.552 |
| .50 | -.254 | -.323 | -.324 | -.409 | -.328 | .50 | -.288 | -.375 | -.436 | -.555 | -.568 |
| .60 | -.226 | -.251 | -.247 | -.327 | -.344 | .60 | -.268 | -.300 | -.311 | -.535 | -.542 |
| .67 | | | -.247 | | | .67 | | | -.304 | | |
| .70 | -.144 | -.225 | | -.327 | -.405 | .70 | -.190 | -.280 | | -.448 | -.486 |
| .80 | -.112 | | | -.429 | -.531 | .80 | -.151 | | | -.469 | -.530 |
| .84 | | | .046 | | | .84 | | | .041 | | |
| .86 | | -.221 | | | | .86 | | -.250 | | | |
| .90 | | | | -.465 | -.446 | .90 | | | | -.505 | -.335 |
| .91 | -.104 | | | | | .91 | -.138 | | | | |
| .95 | -.091 | -.071 | -.082 | -.137 | -.155 | .95 | -.117 | -.073 | -.086 | -.087 | -.113 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.009 | -.064 | -.232 | -.217 | -.527 | .05 | .015 | .004 | -.132 | -.240 | -.430 |
| .10 | -.073 | -.054 | -.291 | -.486 | -.667 | .10 | -.045 | -.008 | -.213 | -.388 | -.580 |
| .20 | -.159 | .061 | -.332 | -.490 | -.637 | .20 | -.140 | .021 | -.272 | -.403 | -.551 |
| .30 | -.230 | -.180 | -.364 | -.488 | -.612 | .30 | -.181 | -.133 | -.313 | -.419 | -.510 |
| .40 | -.155 | -.223 | -.377 | -.540 | -.593 | .40 | -.132 | -.189 | -.325 | -.467 | -.446 |
| .50 | -.114 | -.296 | -.406 | -.561 | -.232 | .50 | -.091 | -.254 | -.322 | -.343 | -.227 |
| .60 | -.103 | -.240 | -.307 | -.172 | -.075 | .60 | -.080 | -.185 | -.274 | -.183 | -.080 |
| .67 | | | -.099 | | | .67 | | | -.162 | | |
| .70 | -.075 | -.039 | | .047 | .091 | .70 | -.056 | -.023 | | .053 | .100 |
| .80 | .050 | | | .198 | .239 | .80 | .069 | | | .206 | .251 |
| .84 | | | .073 | | | .84 | | | .006 | | |
| .86 | | .175 | | | | .86 | | .182 | | | |
| .90 | | | | .260 | .318 | .90 | | | | .270 | .319 |
| .91 | .147 | | | | | .91 | .156 | | | | |
| .95 | .138 | .199 | .261 | .255 | .304 | .95 | .140 | .199 | .256 | .265 | .300 |

RUN = 519 POINT = 7

TABLE 97 CONTINUED

RUN = 519 POINT = 8

| (E) ALPHA = 2.86 DEGREES | | | | | | (F) ALPHA = 3.38 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.028 | .142 | .489 | .726 | .688 | 0.00 | -.056 | .121 | .459 | .715 | .693 |
| .05 | -.048 | -.600 | -.774 | .726 | -.601 | .05 | -.056 | -.688 | -.829 | .717 | -.654 |
| .10 | -.304 | -.520 | -.763 | -.664 | -.659 | .10 | -.358 | -.588 | -.849 | -.720 | -.709 |
| .20 | -.364 | -.469 | -.677 | -.732 | -.664 | .20 | -.378 | -.504 | -.738 | -.787 | -.707 |
| .30 | -.291 | -.475 | -.625 | -.714 | -.662 | .30 | -.301 | -.517 | -.643 | -.770 | -.707 |
| .40 | -.288 | -.506 | -.532 | -.714 | -.664 | .40 | -.304 | -.528 | -.574 | -.759 | -.709 |
| .50 | -.314 | -.437 | -.508 | -.714 | -.682 | .50 | -.327 | -.467 | -.543 | -.741 | -.723 |
| .60 | -.303 | -.402 | -.460 | -.675 | -.682 | .60 | -.308 | -.442 | -.509 | -.757 | -.740 |
| .67 | | | -.374 | | | .67 | | | -.426 | | |
| .70 | -.254 | -.339 | | -.630 | -.722 | .70 | -.275 | -.372 | | -.715 | -.749 |
| .80 | -.193 | | | -.550 | -.690 | .80 | -.215 | | | -.654 | -.679 |
| .84 | | | .038 | | | .84 | | | .036 | | |
| .86 | | -.287 | | | | .86 | | -.292 | | | |
| .90 | | | | -.494 | -.401 | .90 | | | | -.649 | -.368 |
| .91 | -.180 | | | | -.218 | .91 | -.204 | | | | |
| .95 | -.156 | -.097 | -.115 | -.083 | | .95 | -.176 | -.106 | -.136 | -.108 | -.275 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .038 | .077 | -.028 | -.176 | -.265 | .05 | .053 | .125 | .041 | -.124 | -.190 |
| .10 | -.017 | .047 | -.115 | -.245 | -.456 | .10 | -0.000 | .092 | -.080 | -.192 | -.412 |
| .20 | -.100 | .034 | -.206 | -.325 | -.415 | .20 | -.084 | .071 | -.160 | -.277 | -.373 |
| .30 | -.119 | -.089 | -.238 | -.334 | -.408 | .30 | -.102 | -.065 | -.204 | -.291 | -.350 |
| .40 | -.102 | -.143 | -.259 | -.391 | -.314 | .40 | -.082 | -.117 | -.229 | -.364 | -.279 |
| .50 | -.057 | -.192 | -.264 | -.234 | -.247 | .50 | -.035 | -.158 | -.238 | -.185 | -.231 |
| .60 | -.048 | -.156 | -.270 | -.191 | -.102 | .60 | -.035 | -.134 | -.264 | -.191 | -.107 |
| .67 | | | -.188 | | | .67 | | | -.193 | | |
| .70 | -.020 | -.013 | | .046 | .088 | .70 | -.006 | -.006 | | .047 | .082 |
| .80 | .088 | | | .203 | .239 | .80 | .099 | | | .197 | .231 |
| .84 | | | .012 | | | .84 | | -.006 | | | |
| .86 | | .192 | | | | .86 | | .197 | | | |
| .90 | | | | .267 | .300 | .90 | | | | .264 | .284 |
| .91 | .162 | | | | | .91 | .171 | | | | |
| .95 | .140 | .190 | .261 | .272 | .274 | .95 | .145 | .189 | .262 | .254 | .266 |

RUN = 519 POINT = 9

TABLE 97 CONTINUED

RUN = 519 POINT = 10

| (G) ALPHA = 3.82 DEGREES | | | | | | (H) ALPHA = 4.84 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.059 | .088 | .427 | .703 | .698 | 0.00 | -.091 | .015 | .366 | .676 | .688 |
| .05 | -.067 | -.782 | -.888 | .706 | -.691 | .05 | -.113 | -.968 | -.992 | .676 | -.735 |
| .10 | -.392 | -.660 | -.914 | -.762 | -.743 | .10 | -.413 | -.883 | -1.025 | -.846 | -.826 |
| .20 | -.402 | -.529 | -.836 | -.830 | -.745 | .20 | -.437 | -.552 | -.964 | -.903 | -.819 |
| .30 | -.319 | -.533 | -.663 | -.817 | -.740 | .30 | -.352 | -.586 | -.894 | -.887 | -.807 |
| .40 | -.319 | -.552 | -.615 | -.810 | -.747 | .40 | -.346 | -.586 | -.616 | -.876 | -.810 |
| .50 | -.337 | -.476 | -.565 | -.789 | -.759 | .50 | -.367 | -.525 | -.625 | -.864 | -.828 |
| .60 | -.319 | -.477 | -.542 | -.803 | -.775 | .60 | -.356 | -.523 | -.605 | -.874 | -.843 |
| .67 | | | -.476 | | | .67 | | | -.551 | | |
| .70 | -.298 | -.407 | | -.807 | -.756 | .70 | -.326 | -.462 | | -.896 | -.810 |
| .80 | -.232 | | | -.695 | -.686 | .80 | -.271 | | | -.842 | -.756 |
| .84 | | | .034 | | | .84 | | | .032 | | |
| .86 | | -.310 | | | | .86 | | -.342 | | | |
| .90 | | | | -.608 | -.391 | .90 | | | | -.823 | -.486 |
| .91 | -.232 | | | | | .91 | -.269 | | | | |
| .95 | -.197 | -.121 | -.156 | -.117 | -.319 | .95 | -.248 | -.147 | -.193 | -.363 | -.423 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .058 | .146 | .087 | -.062 | -.135 | .05 | .083 | .222 | .171 | -.080 | -.035 |
| .10 | .012 | .127 | -.045 | -.158 | -.357 | .10 | .046 | .192 | .035 | -.054 | -.214 |
| .20 | -.061 | .103 | -.140 | -.248 | -.343 | .20 | -.017 | .153 | -.063 | -.162 | -.232 |
| .30 | -.082 | -.043 | -.190 | -.266 | -.289 | .30 | -.039 | .004 | -.130 | -.204 | -.252 |
| .40 | -.065 | -.091 | -.208 | -.342 | -.286 | .40 | -.027 | -.051 | -.158 | -.275 | -.244 |
| .50 | -.022 | -.143 | -.227 | -.186 | -.232 | .50 | .009 | -.097 | -.178 | -.197 | -.251 |
| .60 | -.019 | -.119 | -.257 | -.202 | -.121 | .60 | .013 | -.080 | -.224 | -.205 | -.136 |
| .67 | | | -.186 | | | .67 | | | -.149 | | |
| .70 | .004 | .004 | | .040 | .064 | .70 | .034 | .020 | | .034 | .052 |
| .80 | .106 | | | .202 | .221 | .80 | .128 | | | .201 | .209 |
| .84 | | | -.011 | | | .84 | | | .012 | | |
| .86 | | .200 | | | | .86 | | .211 | | | |
| .90 | | | | .262 | .285 | .90 | | | | .265 | .272 |
| .91 | .171 | | | | | .91 | .185 | | | | |
| .95 | .147 | .184 | .253 | .257 | .261 | .95 | .153 | .179 | .248 | .253 | .242 |

RUN = 519 POINT = 11

TABLE 97 CONTINUED

RUN = 519 POINT = 12

| (I) ALPHA = 5.95 DEGREES | | | | | | (J) ALPHA = 7.99 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.129 | -.066 | .298 | .634 | .683 | 0.00 | -.237 | -.231 | .148 | .535 | .644 |
| .05 | -.157 | -1.070 | -1.085 | .638 | -.842 | .05 | -.262 | -1.168 | -1.211 | .530 | -.984 |
| .10 | -.482 | -1.009 | -1.118 | -.930 | -.908 | .10 | -.640 | -1.140 | -1.215 | -1.075 | -1.029 |
| .20 | -.541 | -.672 | -1.081 | -.972 | -.905 | .20 | -.549 | -1.015 | -1.187 | -1.102 | -1.024 |
| .30 | -.382 | -.616 | -1.026 | -.963 | -.891 | .30 | -.418 | -.922 | -1.143 | -1.087 | -1.013 |
| .40 | -.375 | -.624 | -.890 | -.956 | -.891 | .40 | -.421 | -.826 | -1.035 | -1.075 | -1.013 |
| .50 | -.404 | -.576 | -.653 | -.949 | -.894 | .50 | -.449 | -.726 | -.889 | -1.068 | -.986 |
| .60 | -.395 | -.576 | -.644 | -.949 | -.912 | .60 | -.460 | -.656 | -.819 | -1.056 | -.949 |
| .67 | | | -.607 | | | .67 | | | -.728 | | |
| .70 | -.373 | -.516 | | -.951 | -.879 | .70 | -.455 | -.602 | | -1.020 | -.850 |
| .80 | -.319 | | | -.862 | -.842 | .80 | -.405 | | | -.810 | -.663 |
| .84 | | | .029 | | | .84 | | | .019 | | |
| .86 | | -.368 | | | | .86 | | -.467 | | | |
| .90 | | | | -.809 | -.643 | .90 | | | | -.670 | -.538 |
| .91 | -.323 | | | | | .91 | -.405 | | | | |
| .95 | -.314 | -.172 | -.207 | -.436 | -.556 | .95 | -.416 | -.234 | -.326 | -.502 | -.512 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .285 | .260 | -.078 | .045 | .05 | .126 | .363 | .389 | .068 | .187 |
| .10 | .075 | .257 | .119 | .031 | -.100 | .10 | .121 | .327 | .231 | .157 | .021 |
| .20 | .023 | .212 | -0.000 | -.081 | -.161 | .20 | .089 | .271 | .099 | .048 | -.064 |
| .30 | .010 | .055 | -.071 | -.145 | -.187 | .30 | .077 | .127 | .018 | -.061 | -.113 |
| .40 | .012 | -.005 | -.120 | -.193 | -.208 | .40 | .080 | .065 | -.029 | -.128 | -.154 |
| .50 | .042 | -.055 | -.131 | -.177 | -.251 | .50 | .099 | .012 | -.075 | -.147 | -.208 |
| .60 | .049 | -.048 | -.187 | -.201 | -.138 | .60 | .095 | .004 | -.135 | -.203 | -.146 |
| .67 | | | -.141 | | | .67 | | | -.121 | | |
| .70 | .060 | .036 | | .030 | .037 | .70 | .101 | .069 | | .003 | .019 |
| .80 | .145 | | | .196 | .205 | .80 | .180 | | | .178 | .191 |
| .84 | | | -.012 | | | .84 | | | .006 | | |
| .86 | | .219 | | | | .86 | | .230 | | | |
| .90 | | | | .250 | .264 | .90 | | | | .237 | .251 |
| .91 | .200 | | | | | .91 | .217 | | | | |
| .95 | .160 | .178 | .230 | .217 | .226 | .95 | .165 | .183 | .217 | .208 | .216 |

RUN = 519 POINT = 13

TABLE 97 CONTINUED

RUN = 519 POINT = 14

| (K) ALPHA = 10.02 DEGREES | | | | | | (L) ALPHA = 11.96 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.324 | -.416 | -.017 | .413 | .586 | 0.00 | -.423 | -.579 | -.197 | .279 | .498 |
| .05 | -.377 | -1.158 | -1.236 | .422 | -1.136 | .05 | -.478 | -1.167 | -1.252 | .268 | -.805 |
| .10 | -.837 | -1.160 | -1.257 | -1.194 | -1.166 | .10 | -1.004 | -1.176 | -1.256 | -1.287 | -.800 |
| .20 | -.691 | -1.128 | -1.160 | -1.210 | -1.128 | .20 | -.910 | -1.178 | -1.208 | -1.224 | -.788 |
| .30 | -.451 | -1.147 | -1.101 | -1.187 | -1.101 | .30 | -.436 | -1.256 | -1.164 | -1.175 | -.726 |
| .40 | -.453 | -1.133 | -1.022 | -1.145 | -1.053 | .40 | -.448 | -1.278 | -1.142 | -.997 | -.665 |
| .50 | -.479 | -1.120 | -.953 | -1.106 | -.966 | .50 | -.491 | -1.302 | -1.138 | -.989 | -.632 |
| .60 | -.492 | -1.077 | -.883 | -.988 | -.764 | .60 | -.520 | -1.258 | -1.148 | -.820 | -.623 |
| .67 | | | -.757 | | | .67 | | | -1.111 | | |
| .70 | -.492 | -.950 | | -.841 | -.647 | .70 | -.526 | -1.271 | | -.744 | -.589 |
| .80 | -.453 | | | -.615 | -.583 | .80 | -.493 | | | -.656 | -.577 |
| .84 | | | .017 | | | .84 | | | .012 | | |
| .86 | | -.374 | | | | .86 | | -.831 | | | |
| .90 | | | | -.615 | -.545 | .90 | | | | -.649 | -.570 |
| .91 | -.442 | | | | | .91 | -.461 | | | | |
| .95 | -.468 | -.175 | -.561 | -.536 | -.541 | .95 | -.504 | -.414 | -.759 | -.612 | -.563 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .142 | .422 | .492 | .003 | .314 | .05 | .140 | .458 | .567 | .238 | .418 |
| .10 | .170 | .386 | .334 | .315 | .147 | .10 | .197 | .435 | .424 | .380 | .241 |
| .20 | .161 | .341 | .197 | .151 | .025 | .20 | .219 | .389 | .280 | .256 | .119 |
| .30 | .153 | .203 | .102 | .025 | -.033 | .30 | .214 | .270 | .179 | .104 | .043 |
| .40 | .150 | .140 | .069 | -.029 | -.097 | .40 | .206 | .205 | .139 | .044 | -.029 |
| .50 | .168 | .084 | -.004 | -.094 | -.136 | .50 | .215 | .136 | .062 | -.036 | -.078 |
| .60 | .155 | .061 | -.077 | -.186 | -.120 | .60 | .199 | .108 | -.009 | -.121 | -.083 |
| .67 | | | -.103 | | | .67 | | | -.094 | | |
| .70 | .153 | .108 | | .003 | .025 | .70 | .192 | .143 | | .031 | .048 |
| .80 | .220 | | | .183 | .205 | .80 | .248 | | | .199 | .210 |
| .84 | | | .032 | | | .84 | | | .046 | | |
| .86 | | .259 | | | | .86 | | .275 | | | |
| .90 | | | | .238 | .261 | .90 | | | | .244 | .265 |
| .91 | .249 | | | | | .91 | .259 | | | | |
| .95 | .190 | .198 | .213 | .197 | .219 | .95 | .199 | .197 | .217 | .212 | .224 |

RUN = 519 POINT = 15

TABLE 97 CONCLUDED

| (M) ALPHA = .19 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .274 | .605 | .748 | .640 |
| .05 | .009 | -.230 | -.265 | .741 | -.227 |
| .10 | -.136 | -.235 | -.390 | -.403 | -.270 |
| .20 | -.215 | -.294 | -.357 | -.419 | -.265 |
| .30 | -.221 | -.337 | -.387 | -.324 | -.286 |
| .40 | -.201 | -.293 | -.205 | -.279 | -.315 |
| .50 | -.217 | -.251 | -.231 | -.233 | -.350 |
| .60 | -.171 | -.168 | -.205 | -.300 | -.365 |
| .67 | | | -.212 | | |
| .70 | -.102 | -.174 | | -.338 | -.416 |
| .80 | -.076 | | | -.459 | -.538 |
| .84 | | | .037 | | |
| .86 | | -.203 | | | |
| .90 | | | | -.484 | -.341 |
| .91 | -.083 | | | | |
| .95 | -.078 | -.087 | -.109 | -.186 | -.127 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.039 | -.179 | -.384 | -.335 | -.625 |
| .10 | -.092 | .028 | -.415 | -.600 | -.777 |
| .20 | -.197 | .181 | -.412 | -.593 | -.760 |
| .30 | -.256 | -.236 | -.426 | -.579 | -.754 |
| .40 | -.195 | -.267 | -.438 | -.612 | -.735 |
| .50 | -.144 | -.357 | -.526 | -.677 | -.704 |
| .60 | -.140 | -.322 | -.386 | -.198 | -.089 |
| .67 | | | -.242 | | |
| .70 | -.120 | -.069 | | .002 | .067 |
| .80 | .007 | | | .147 | .215 |
| .84 | | | -.031 | | |
| .86 | | .140 | | | |
| .90 | | | | .234 | .303 |
| .91 | .117 | | | | |
| .95 | .115 | .183 | .249 | .248 | .287 |

RUN = 531 POINT = 1

TABLE 98

WING PRESSURE COEFFICIENTS

RUN = 531 POINT = 2

| (A) ALPHA = -.71 DEGREES | | | | | | (B) ALPHA = .25 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .028 | .301 | .592 | .710 | .542 | 0.00 | .017 | .267 | .564 | .737 | .624 |
| .05 | -.114 | -.168 | -.201 | -.158 | -.024 | .05 | -.155 | -.267 | -.352 | -.321 | -.168 |
| .10 | -.166 | -.199 | -.283 | -.173 | -.064 | .10 | -.217 | -.279 | -.396 | -.285 | -.180 |
| .20 | -.188 | -.205 | -.218 | -.191 | -.120 | .20 | -.230 | -.288 | -.297 | -.255 | -.199 |
| .30 | -.159 | -.243 | -.212 | -.183 | -.141 | .30 | -.203 | -.303 | -.284 | -.251 | -.206 |
| .40 | -.155 | -.189 | -.174 | -.183 | -.169 | .40 | -.193 | -.251 | -.223 | -.229 | -.237 |
| .50 | -.153 | -.170 | -.176 | -.203 | -.167 | .50 | -.188 | -.209 | -.221 | -.245 | -.239 |
| .60 | -.112 | -.130 | -.199 | -.221 | -.217 | .60 | -.143 | -.175 | -.238 | -.257 | -.252 |
| .67 | | | -.181 | | | .67 | | | -.209 | | |
| .70 | -.072 | -.151 | | -.259 | -.261 | .70 | -.095 | -.177 | | -.283 | -.292 |
| .80 | -.056 | | | -.290 | -.335 | .80 | -.071 | | | -.313 | -.367 |
| .84 | | | -.007 | | | .84 | | | -.013 | | |
| .86 | | -.128 | | | | .86 | | -.156 | | | |
| .90 | | | | -.233 | -.314 | .90 | | | | -.253 | -.334 |
| .91 | -.041 | | | | | .91 | -.060 | | | | |
| .95 | -.039 | -.086 | -.107 | -.112 | -.154 | .95 | -.052 | -.093 | -.123 | -.132 | -.172 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.264 | -.591 | -.822 | -1.036 | .05 | -.033 | -.165 | -.390 | -.546 | -.715 |
| .10 | -.135 | -.306 | -.520 | -.729 | -.898 | .10 | -.106 | -.223 | -.380 | -.514 | -.654 |
| .20 | -.203 | -.296 | -.431 | -.482 | -.383 | .20 | -.164 | -.238 | -.325 | -.404 | -.357 |
| .30 | -.234 | -.298 | -.362 | -.372 | -.320 | .30 | -.195 | -.240 | -.301 | -.323 | -.264 |
| .40 | -.217 | -.289 | -.294 | -.336 | -.297 | .40 | -.182 | -.240 | -.259 | -.279 | -.258 |
| .50 | -.168 | -.256 | -.273 | -.253 | -.213 | .50 | -.139 | -.234 | -.245 | -.218 | -.189 |
| .60 | -.135 | -.181 | -.207 | -.169 | -.078 | .60 | -.104 | -.156 | -.194 | -.159 | -.071 |
| .67 | | | -.070 | | | .67 | | | -.061 | | |
| .70 | -.069 | -.015 | | .055 | .098 | .70 | -.046 | -.013 | | .062 | .114 |
| .80 | .049 | | | .173 | .194 | .80 | .063 | | | .223 | .227 |
| .84 | | | -.118 | | | .84 | | | -.103 | | |
| .86 | | .172 | | | | .86 | | .188 | | | |
| .90 | | | | .222 | .232 | .90 | | | | .292 | .280 |
| .91 | .132 | | | | | .91 | .143 | | | | |
| .95 | -.019 | .189 | .290 | .247 | .234 | .95 | .036 | .190 | .316 | .293 | .282 |

RUN = 531 POINT = 3

TABLE 98 CONTINUED

RUN = 531 POINT = 4

| (C) ALPHA = 1.14 DEGREES | | | | | | (D) ALPHA = 1.95 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .211 | .506 | .737 | .695 | 0.00 | -.019 | .156 | .437 | .721 | .727 |
| .05 | -.209 | -.411 | -.543 | -.513 | -.343 | .05 | -.258 | -.548 | -.685 | -.746 | -.520 |
| .10 | -.265 | -.363 | -.539 | -.410 | -.305 | .10 | -.314 | -.461 | -.723 | -.555 | -.428 |
| .20 | -.274 | -.351 | -.374 | -.343 | -.278 | .20 | -.314 | -.412 | -.427 | -.382 | -.346 |
| .30 | -.232 | -.370 | -.342 | -.302 | -.269 | .30 | -.262 | -.427 | -.385 | -.339 | -.321 |
| .40 | -.230 | -.306 | -.262 | -.288 | -.278 | .40 | -.264 | -.337 | -.289 | -.331 | -.315 |
| .50 | -.228 | -.247 | -.262 | -.278 | -.282 | .50 | -.260 | -.276 | -.282 | -.325 | -.321 |
| .60 | -.174 | -.203 | -.260 | -.288 | -.292 | .60 | -.202 | -.226 | -.282 | -.323 | -.317 |
| .67 | | | -.241 | | | .67 | | | -.257 | | |
| .70 | -.122 | -.201 | | -.312 | -.328 | .70 | -.136 | -.213 | | -.327 | -.350 |
| .80 | -.088 | | | -.334 | -.389 | .80 | -.102 | | | -.343 | -.407 |
| .84 | | | -.016 | | | .84 | | | -.014 | | |
| .86 | | -.163 | | | | .86 | | -.163 | | | |
| .90 | | | | -.262 | -.364 | .90 | | | | -.254 | -.363 |
| .91 | -.065 | | | | | .91 | -.073 | | | | -.363 |
| .95 | -.055 | -.091 | -.121 | -.130 | -.181 | .95 | -.061 | -.085 | -.119 | -.123 | -.187 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.005 | -.064 | -.213 | -.353 | -.391 | .05 | .021 | .020 | -.074 | -.204 | -.231 |
| .10 | -.065 | -.131 | -.249 | -.365 | -.452 | .10 | -.030 | -.033 | -.179 | -.276 | -.311 |
| .20 | -.130 | -.174 | -.252 | -.304 | -.324 | .20 | -.098 | -.117 | -.200 | -.246 | -.246 |
| .30 | -.153 | -.174 | -.249 | -.272 | -.227 | .30 | -.119 | -.131 | -.195 | -.230 | -.202 |
| .40 | -.147 | -.197 | -.219 | -.241 | -.210 | .40 | -.121 | -.157 | -.183 | -.210 | -.183 |
| .50 | -.105 | -.201 | -.211 | -.187 | -.160 | .50 | -.084 | -.163 | -.183 | -.161 | -.135 |
| .60 | -.080 | -.140 | -.171 | -.145 | -.054 | .60 | -.061 | -.113 | -.157 | -.132 | -.045 |
| .67 | | | -.053 | | | .67 | | | -.046 | | |
| .70 | -.030 | -.003 | | .077 | .128 | .70 | -.011 | .012 | | .082 | .137 |
| .80 | .081 | | | .242 | .274 | .80 | .094 | | | .254 | .294 |
| .84 | | | -.108 | | | .84 | | | -.112 | | |
| .86 | | .201 | | | | .86 | | .211 | | | |
| .90 | | | | .305 | .333 | .90 | | | | .315 | .352 |
| .91 | .154 | | | | | .91 | .164 | | | | |
| .95 | .075 | .201 | .322 | .303 | .318 | .95 | .102 | .203 | .326 | .304 | .334 |

RUN = 531 POINT = 5

TABLE 98 CONTINUED

RUN = 531 POINT = 6

| (E) ALPHA = 2.82 DEGREES | | | | | | (F) ALPHA = 3.30 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.048 | .071 | .352 | .672 | .734 | 0.00 | -.065 | .029 | .325 | .643 | .729 |
| .05 | -.308 | -.667 | -.997 | -1.035 | -.787 | .05 | -.351 | -.742 | -1.172 | -1.137 | -.766 |
| .10 | -.366 | -.586 | -.896 | -.903 | -.615 | .10 | -.393 | -.661 | -1.031 | -.994 | -.653 |
| .20 | -.351 | -.513 | -.506 | -.412 | -.399 | .20 | -.372 | -.547 | -.643 | -.382 | -.396 |
| .30 | -.306 | -.481 | -.419 | -.388 | -.336 | .30 | -.333 | -.519 | -.439 | -.398 | -.383 |
| .40 | -.293 | -.387 | -.322 | -.365 | -.342 | .40 | -.320 | -.423 | -.339 | -.384 | -.369 |
| .50 | -.295 | -.305 | -.309 | -.345 | -.345 | .50 | -.314 | -.335 | -.322 | -.366 | -.379 |
| .60 | -.241 | -.246 | -.305 | -.345 | -.349 | .60 | -.256 | -.261 | -.312 | -.356 | -.363 |
| .67 | | | -.265 | | | .67 | | | -.280 | | |
| .70 | -.160 | -.228 | | -.343 | -.368 | .70 | -.177 | -.242 | | -.358 | -.375 |
| .80 | -.117 | | | -.343 | -.405 | .80 | -.131 | | | -.350 | -.406 |
| .84 | | | -.010 | | | .84 | | | -.018 | | |
| .86 | | -.154 | | | | .86 | | -.163 | | | |
| .90 | | | | -.234 | -.326 | .90 | | | | -.238 | -.316 |
| .91 | -.082 | | | | | .91 | -.088 | | | | -.162 |
| .95 | -.067 | -.077 | -.110 | -.109 | -.158 | .95 | -.073 | -.077 | -.106 | -.108 | -.162 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .102 | .032 | -.052 | -.069 | .05 | .059 | .130 | .081 | 0.000 | -.092 |
| .10 | -.009 | .046 | -.080 | -.149 | -.200 | .10 | .009 | .079 | -.046 | -.114 | -.160 |
| .20 | -.067 | -.058 | -.129 | -.173 | -.177 | .20 | -.050 | -.037 | -.106 | -.147 | -.157 |
| .30 | -.090 | -.096 | -.143 | -.169 | -.162 | .30 | -.073 | -.066 | -.137 | -.149 | -.176 |
| .40 | -.092 | -.119 | -.149 | -.159 | -.141 | .40 | -.073 | -.104 | -.125 | -.145 | -.132 |
| .50 | -.048 | -.123 | -.145 | -.133 | -.103 | .50 | -.048 | -.115 | -.135 | -.125 | -.141 |
| .60 | -.036 | -.089 | -.127 | -.115 | -.023 | .60 | -.026 | -.085 | -.125 | -.101 | -.051 |
| .67 | | | -.022 | | | .67 | | | -.023 | | |
| .70 | .007 | .023 | | .093 | .140 | .70 | .013 | .031 | | .093 | .105 |
| .80 | .106 | | | .270 | .310 | .80 | .113 | | | .262 | .131 |
| .84 | | | -.117 | | | .84 | | | -.129 | | |
| .86 | | .226 | | | | .86 | | .224 | | | |
| .90 | | | | .323 | .364 | .90 | | | | .327 | .258 |
| .91 | .175 | | | | | .91 | .181 | | | | |
| .95 | .125 | .211 | .327 | .301 | .335 | .95 | .137 | .203 | .326 | .302 | .281 |

RUN = 531 POINT = 7

TABLE 98 CONTINUED

RUN = 531 POINT = 8

| (G) ALPHA = 3.83 DEGREES | | | | | | (H) ALPHA = 4.83 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.098 | -.036 | .249 | .604 | .718 | 0.00 | -.134 | -.167 | .155 | .533 | .680 |
| .05 | -.373 | -.843 | -1.279 | -1.196 | -1.093 | .05 | -.455 | -1.089 | -1.483 | -1.344 | -1.248 |
| .10 | -.417 | -.756 | -1.186 | -1.146 | -.949 | .10 | -.482 | -.888 | -1.424 | -1.348 | -1.202 |
| .20 | -.384 | -.595 | -.722 | -.707 | -.368 | .20 | -.418 | -.696 | -1.072 | -1.198 | -1.092 |
| .30 | -.351 | -.584 | -.440 | -.369 | -.387 | .30 | -.385 | -.689 | -.595 | -.532 | -.335 |
| .40 | -.332 | -.459 | -.336 | -.369 | -.383 | .40 | -.377 | -.557 | -.360 | -.332 | -.365 |
| .50 | -.338 | -.344 | -.315 | -.361 | -.385 | .50 | -.391 | -.406 | -.314 | -.342 | -.365 |
| .60 | -.268 | -.267 | -.311 | -.355 | -.374 | .60 | -.317 | -.295 | -.308 | -.344 | -.381 |
| .67 | | | -.271 | | | .67 | | | -.268 | | |
| .70 | -.193 | -.242 | | -.355 | -.379 | .70 | -.234 | -.256 | | -.342 | -.381 |
| .80 | -.140 | | | -.339 | -.400 | .80 | -.165 | | | -.324 | -.396 |
| .84 | | | -.005 | | | .84 | | | -.013 | | |
| .86 | | -.153 | | | | .86 | | -.147 | | | |
| .90 | | | | -.234 | -.301 | .90 | | | | -.227 | -.314 |
| .91 | -.092 | | | | | .91 | -.107 | | | | |
| .95 | -.069 | -.065 | -.094 | -.107 | -.142 | .95 | -.089 | -.059 | -.088 | -.110 | -.152 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .073 | .176 | .150 | .052 | .064 | .05 | .086 | .237 | .253 | .162 | .160 |
| .10 | .025 | .124 | .015 | -.054 | -.083 | .10 | .053 | .189 | .096 | .024 | .020 |
| .20 | -.028 | .001 | -.069 | -.093 | -.098 | .20 | .003 | .057 | -.006 | -.040 | -.031 |
| .30 | -.053 | -.029 | -.109 | -.115 | -.094 | .30 | -.020 | .011 | -.058 | -.070 | -.050 |
| .40 | -.048 | -.067 | -.117 | -.109 | -.094 | .40 | -.020 | -.036 | -.080 | -.074 | -.057 |
| .50 | -.017 | -.096 | -.101 | -.101 | -.075 | .50 | .008 | -.061 | -.076 | -.078 | -.044 |
| .60 | -.009 | -.059 | -.103 | -.090 | -.007 | .60 | .020 | -.040 | -.086 | -.067 | .008 |
| .67 | | | -.012 | | | .67 | | | .001 | | |
| .70 | .031 | .044 | | .106 | .150 | .70 | .055 | .055 | | .115 | .155 |
| .80 | .126 | | | .273 | .306 | .80 | .140 | | | .280 | .313 |
| .84 | | | -.113 | | | .84 | | | -.114 | | |
| .86 | | .230 | | | | .86 | | .235 | | | |
| .90 | | | | .332 | .365 | .90 | | | | .337 | .368 |
| .91 | .186 | | | | | .91 | .198 | | | | |
| .95 | .157 | .209 | .326 | .304 | .334 | .95 | .165 | .210 | .326 | .318 | .341 |

RUN = 531 POINT = 9

TABLE 98 CONTINUED

RUN = 531 POINT = 10

| (I) ALPHA = 5.84 DEGREES | | | | | | (J) ALPHA = 7.77 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.192 | -.275 | .049 | .454 | .640 | 0.00 | -.307 | -.478 | -.126 | .344 | .566 |
| .05 | -.534 | -1.315 | -1.627 | -1.460 | -1.358 | .05 | -.724 | -1.525 | -1.465 | -.938 | -1.482 |
| .10 | -.557 | -1.172 | -1.556 | -1.474 | -1.381 | .10 | -.703 | -1.500 | -1.393 | -.852 | -1.390 |
| .20 | -.460 | -.781 | -1.518 | -1.332 | -1.256 | .20 | -.524 | -1.174 | -1.212 | -.747 | -1.021 |
| .30 | -.428 | -.750 | -.953 | -1.065 | -1.078 | .30 | -.497 | -.923 | -1.058 | -.668 | -.674 |
| .40 | -.435 | -.653 | -.402 | -.443 | -.341 | .40 | -.499 | -.604 | -.929 | -.590 | -.544 |
| .50 | -.437 | -.467 | -.318 | -.352 | -.362 | .50 | -.499 | -.410 | -.813 | -.530 | -.517 |
| .60 | -.377 | -.329 | -.304 | -.312 | -.331 | .60 | -.416 | -.347 | -.714 | -.460 | -.413 |
| .67 | | | -.264 | | | .67 | | | -.596 | | |
| .70 | -.291 | -.270 | | -.293 | -.347 | .70 | -.314 | -.307 | | -.398 | -.366 |
| .80 | -.201 | | | -.279 | -.360 | .80 | -.251 | | | -.347 | -.316 |
| .84 | | | -.013 | | | .84 | | | -.035 | | |
| .86 | | -.145 | | | | .86 | | -.164 | | | |
| .90 | | | | -.178 | -.280 | .90 | | | | -.304 | -.258 |
| .91 | -.136 | | | | | .91 | -.174 | | | | |
| .95 | -.111 | -.057 | -.082 | -.102 | -.138 | .95 | -.147 | -.073 | -.265 | -.280 | -.209 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .285 | .321 | .242 | .243 | .05 | .112 | .356 | .433 | .350 | .329 |
| .10 | .078 | .231 | .160 | .099 | .092 | .10 | .123 | .318 | .271 | .194 | .167 |
| .20 | .037 | .103 | .051 | .008 | .017 | .20 | .098 | .177 | .142 | .081 | .062 |
| .30 | .014 | .053 | -.009 | -.031 | -.006 | .30 | .075 | .122 | .063 | .014 | .020 |
| .40 | .016 | .003 | -.043 | -.039 | -.025 | .40 | .070 | .063 | .029 | -.005 | -.023 |
| .50 | .037 | -.017 | -.053 | -.053 | -.024 | .50 | .085 | .025 | -.015 | -.053 | -.025 |
| .60 | .047 | -.013 | -.061 | -.045 | .029 | .60 | .085 | .025 | -.037 | -.088 | .004 |
| .67 | | | .014 | | | .67 | | | .018 | | |
| .70 | .068 | .070 | | .123 | .168 | .70 | .104 | .097 | | .073 | .134 |
| .80 | .157 | | | .289 | .325 | .80 | .179 | | | .236 | .301 |
| .84 | | | -.104 | | | .84 | | | -.138 | | |
| .86 | | .248 | | | | .86 | | .261 | | | |
| .90 | | | | .344 | .377 | .90 | | | | .289 | .360 |
| .91 | .205 | | | | | .91 | .222 | | | | |
| .95 | .178 | .210 | .329 | .323 | .348 | .95 | .204 | .206 | .304 | .251 | .322 |

RUN = 531 POINT = 11

TABLE 98 CONTINUED

RUN = 531 POINT = 12

| (K) ALPHA = 9.65 DEGREES | | | | | | (L) ALPHA = 11.54 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.445 | -.706 | -.328 | .233 | .511 | 0.00 | -.611 | -.909 | -.496 | .124 | .490 |
| .05 | -.925 | -1.599 | -1.154 | -.767 | -.874 | .05 | -1.122 | -1.557 | -1.051 | -.692 | -.498 |
| .10 | -.839 | -1.605 | -1.071 | -.730 | -.920 | .10 | -.980 | -1.499 | -.983 | -.684 | -.485 |
| .20 | -.620 | -1.507 | -.986 | -.696 | -.730 | .20 | -.728 | -1.324 | -.963 | -.659 | -.468 |
| .30 | -.558 | -1.396 | -.937 | -.661 | -.688 | .30 | -.630 | -1.231 | -.946 | -.637 | -.447 |
| .40 | -.576 | -1.080 | -.876 | -.602 | -.563 | .40 | -.613 | -1.155 | -.904 | -.612 | -.424 |
| .50 | -.570 | -.489 | -.859 | -.552 | -.573 | .50 | -.522 | -1.068 | -.859 | -.598 | -.414 |
| .60 | -.434 | -.411 | -.823 | -.507 | -.498 | .60 | -.476 | -.968 | -.821 | -.575 | -.402 |
| .67 | | | -.757 | | | .67 | | | -.781 | | |
| .70 | -.391 | -.436 | | -.466 | -.421 | .70 | -.443 | -.812 | | -.551 | -.393 |
| .80 | -.330 | | | -.442 | -.392 | .80 | -.399 | | | -.524 | -.400 |
| .84 | | | -.113 | | | .84 | | | -.128 | | |
| .86 | | -.283 | | | | .86 | | -.596 | | | |
| .90 | | | | -.401 | -.356 | .90 | | | | -.506 | -.389 |
| .91 | -.242 | | | | | .91 | -.343 | | | | |
| .95 | -.199 | -.239 | -.566 | -.393 | -.308 | .95 | -.295 | -.472 | -.657 | -.484 | -.381 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .105 | .395 | .512 | .429 | .386 | .05 | .094 | .414 | .565 | .506 | .440 |
| .10 | .149 | .365 | .342 | .271 | .216 | .10 | .166 | .406 | .413 | .342 | .269 |
| .20 | .145 | .248 | .213 | .122 | .105 | .20 | .189 | .298 | .266 | .191 | .141 |
| .30 | .126 | .174 | .114 | .051 | .045 | .30 | .181 | .232 | .169 | .098 | .076 |
| .40 | .117 | .108 | .071 | .004 | -.011 | .40 | .162 | .160 | .112 | .043 | .007 |
| .50 | .122 | .055 | .006 | -.049 | -.030 | .50 | .171 | .098 | .041 | -.042 | -.036 |
| .60 | .120 | .043 | -.035 | -.103 | -.017 | .60 | .154 | .068 | -.019 | -.096 | -.025 |
| .67 | | | .006 | | | .67 | | | .004 | | |
| .70 | .130 | .089 | | .041 | .103 | .70 | .152 | .106 | | .038 | .089 |
| .80 | .193 | | | .212 | .275 | .80 | .204 | | | .206 | .254 |
| .84 | | | -.288 | | | .84 | | | -.406 | | |
| .86 | | .240 | | | | .86 | | .234 | | | |
| .90 | | | | .262 | .325 | .90 | | | | .244 | .296 |
| .91 | .226 | | | | | .91 | .223 | | | | |
| .95 | .211 | .176 | .235 | .220 | .281 | .95 | .212 | .132 | .209 | .208 | .254 |

RUN = 531 POINT = 13

TABLE 98 CONCLUDED

| | (M) ALPHA = .29 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .014 | .261 | .553 | .736 | .626 |
| .05 | -.166 | -.284 | -.366 | -.341 | -.178 |
| .10 | -.220 | -.287 | -.419 | -.300 | -.192 |
| .20 | -.567 | -.291 | -.306 | -.268 | -.186 |
| .30 | -.208 | -.313 | -.287 | -.254 | -.213 |
| .40 | -.197 | -.266 | -.226 | -.241 | -.234 |
| .50 | -.193 | -.226 | -.224 | -.252 | -.234 |
| .60 | -.154 | -.177 | -.243 | -.266 | -.257 |
| .67 | | | -.222 | | |
| .70 | -.093 | -.192 | | -.292 | -.299 |
| .80 | -.075 | | | -.321 | -.368 |
| .84 | | | -.018 | | |
| .86 | | -.154 | | | |
| .90 | | | | -.260 | -.339 |
| .91 | -.060 | | | | |
| .95 | -.052 | -.101 | -.126 | -.136 | -.175 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.037 | -.162 | -.390 | -.534 | -.656 |
| .10 | -.106 | -.192 | -.367 | -.512 | -.614 |
| .20 | -.166 | -.247 | -.343 | -.398 | -.359 |
| .30 | -.195 | -.234 | -.314 | -.329 | -.265 |
| .40 | -.183 | -.234 | -.268 | -.282 | -.263 |
| .50 | -.133 | -.234 | -.239 | -.219 | -.184 |
| .60 | -.110 | -.158 | -.197 | -.167 | -.063 |
| .67 | | | -.065 | | |
| .70 | -.052 | -.018 | | .066 | .114 |
| .80 | .064 | | | .219 | .231 |
| .84 | | | -.247 | | |
| .86 | | .188 | | | |
| .90 | | | | .287 | .283 |
| .91 | .141 | | | | |
| .95 | .184 | .193 | .314 | .292 | .281 |

RUN = 530 POINT = 7

TABLE 99

WING PRESSURE COEFFICIENTS

RUN = 530 POINT = 8

| (A) ALPHA = -.74 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .302 | .629 | .745 | .617 | 0.00 | .009 | .276 | .600 | .755 | .673 |
| .05 | -.113 | -.163 | -.149 | -.179 | -.036 | .05 | -.159 | -.263 | -.298 | -.360 | -.163 |
| .10 | -.167 | -.161 | -.250 | -.186 | -.087 | .10 | -.209 | -.263 | -.423 | -.315 | -.202 |
| .20 | -.194 | -.201 | -.205 | -.188 | -.137 | .20 | -.232 | -.282 | -.362 | -.281 | -.216 |
| .30 | -.169 | -.238 | -.230 | -.196 | -.159 | .30 | -.199 | -.323 | -.298 | -.275 | -.220 |
| .40 | -.159 | -.199 | -.162 | -.196 | -.196 | .40 | -.199 | -.290 | -.190 | -.244 | -.264 |
| .50 | -.163 | -.174 | -.178 | -.230 | -.219 | .50 | -.207 | -.218 | -.225 | -.272 | -.266 |
| .60 | -.119 | -.133 | -.213 | -.268 | -.233 | .60 | -.161 | -.167 | -.255 | -.311 | -.280 |
| .67 | | | -.199 | | | .67 | | | -.227 | | |
| .70 | -.070 | -.159 | | -.268 | -.283 | .70 | -.103 | -.181 | | -.356 | -.311 |
| .80 | -.051 | | | -.345 | -.430 | .80 | -.069 | | | -.347 | -.467 |
| .84 | | | .004 | | | .84 | | | 0.000 | | |
| .86 | | -.164 | | | | .86 | | -.175 | | | |
| .90 | | | | -.245 | -.299 | .90 | | | | -.259 | -.295 |
| .91 | -.057 | | | | | .91 | -.070 | | | | |
| .95 | -.055 | -.084 | -.094 | -.092 | -.148 | .95 | -.063 | -.085 | -.099 | -.097 | -.154 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.076 | -.277 | -.592 | -.706 | -.784 | .05 | -.040 | -.159 | -.378 | -.558 | -.684 |
| .10 | -.142 | -.253 | -.539 | -.811 | -.915 | .10 | -.109 | -.218 | -.386 | -.628 | -.798 |
| .20 | -.209 | -.306 | -.515 | -.719 | -.896 | .20 | -.178 | -.231 | -.390 | -.564 | -.736 |
| .30 | -.255 | -.318 | -.496 | -.655 | -.846 | .30 | -.215 | -.255 | -.416 | -.515 | -.675 |
| .40 | -.236 | -.345 | -.493 | -.673 | -.747 | .40 | -.197 | -.280 | -.407 | -.495 | -.184 |
| .50 | -.190 | -.380 | -.396 | -.215 | -.066 | .50 | -.155 | -.311 | -.311 | -.206 | -.161 |
| .60 | -.167 | -.265 | -.260 | -.143 | -.008 | .60 | -.130 | -.206 | -.245 | -.158 | -.042 |
| .67 | | | -.069 | | | .67 | | | -.062 | | |
| .70 | -.124 | -.042 | | .098 | .140 | .70 | -.084 | -.024 | | .097 | .144 |
| .80 | .008 | | | .233 | .277 | .80 | .042 | | | .252 | .282 |
| .84 | | | -.064 | | | .84 | | | -.107 | | |
| .86 | | .153 | | | | .86 | | .177 | | | |
| .90 | | | | .297 | .323 | .90 | | | | .316 | .337 |
| .91 | .121 | | | | | .91 | .136 | | | | |
| .95 | .299 | .183 | .318 | .321 | .304 | .95 | .244 | .201 | .328 | .320 | .327 |

RUN = 530 POINT = 9

TABLE 99 CONTINUED

RUN = 530 POINT = 10

| (C) ALPHA = 1.15 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.005 | .246 | .555 | .762 | .718 | 0.00 | -.021 | .188 | .502 | .744 | .736 |
| .05 | -.205 | -.367 | -.456 | -.557 | -.342 | .05 | -.240 | -.465 | -.669 | -.682 | -.574 |
| .10 | -.249 | -.349 | -.543 | -.540 | -.327 | .10 | -.303 | -.440 | -.694 | -.738 | -.593 |
| .20 | -.270 | -.365 | -.460 | -.399 | -.303 | .20 | -.310 | -.431 | -.579 | -.673 | -.444 |
| .30 | -.234 | -.386 | -.483 | -.247 | -.295 | .30 | -.261 | -.475 | -.605 | -.563 | -.173 |
| .40 | -.236 | -.339 | -.236 | -.298 | -.308 | .40 | -.269 | -.445 | -.372 | -.179 | -.263 |
| .50 | -.251 | -.291 | -.236 | -.313 | -.310 | .50 | -.295 | -.356 | -.290 | -.217 | -.277 |
| .60 | -.197 | -.191 | -.261 | -.347 | -.345 | .60 | -.249 | -.263 | -.284 | -.312 | -.400 |
| .67 | | | -.244 | | | .67 | | | -.259 | | |
| .70 | -.130 | -.201 | | -.399 | -.366 | .70 | -.175 | -.228 | | -.383 | -.433 |
| .80 | -.092 | | | -.396 | -.434 | .80 | -.120 | | | -.425 | -.560 |
| .84 | | | .008 | | | .84 | | | .002 | | |
| .86 | | -.182 | | | | .86 | | -.176 | | | |
| .90 | | | | -.225 | -.315 | .90 | | | | -.263 | -.254 |
| .91 | -.078 | | | | | .91 | -.091 | | | | |
| .95 | -.063 | -.079 | -.094 | -.071 | -.152 | .95 | -.072 | -.065 | -.096 | -.086 | -.126 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.007 | -.065 | -.225 | -.381 | -.519 | .05 | .011 | .009 | -.099 | -.241 | -.268 |
| .10 | -.065 | -.116 | -.276 | -.469 | -.616 | .10 | -.038 | -.044 | -.191 | -.342 | -.472 |
| .20 | -.142 | -.170 | -.302 | -.416 | -.492 | .20 | -.114 | -.125 | -.237 | -.332 | -.336 |
| .30 | -.170 | -.180 | -.319 | -.377 | -.304 | .30 | -.145 | -.139 | -.256 | -.312 | -.287 |
| .40 | -.155 | -.215 | -.300 | -.412 | -.226 | .40 | -.133 | -.178 | -.247 | -.306 | -.217 |
| .50 | -.113 | -.240 | -.264 | -.197 | -.138 | .50 | -.087 | -.199 | -.228 | -.194 | -.157 |
| .60 | -.093 | -.170 | -.223 | -.154 | -.042 | .60 | -.068 | -.147 | -.194 | -.140 | -.045 |
| .67 | | | -.054 | | | .67 | | | -.043 | | |
| .70 | -.049 | -.011 | | .099 | .145 | .70 | -.026 | 0.000 | | .105 | .149 |
| .80 | .073 | | | .260 | .254 | .80 | .079 | | | .258 | .300 |
| .84 | | | -.122 | | | .84 | | | -.127 | | |
| .86 | | .204 | | | | .86 | | .209 | | | |
| .90 | | | | .323 | .325 | .90 | | | | .322 | .363 |
| .91 | .159 | | | | | .91 | .169 | | | | |
| .95 | .213 | .214 | .339 | .320 | .318 | .95 | .192 | .211 | .336 | .310 | .345 |

RUN = 530 POINT = 11

TABLE 99 CONTINUED

RUN = 530 POINT = 12

| (E) ALPHA = 2.90 DEGREES | | | | | | (F) ALPHA = 3.47 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.043 | .121 | .446 | .731 | .748 | 0.00 | -.063 | .072 | .409 | .708 | .740 |
| .05 | -.315 | -.637 | -.880 | -.772 | -.697 | .05 | -.354 | -.746 | -.953 | -.828 | -.736 |
| .10 | -.367 | -.576 | -.834 | -.837 | -.725 | .10 | -.402 | -.634 | -.955 | -.886 | -.778 |
| .20 | -.350 | -.479 | -.716 | -.796 | -.714 | .20 | -.387 | -.525 | -.798 | -.853 | -.761 |
| .30 | -.306 | -.540 | -.668 | -.772 | -.675 | .30 | -.322 | -.571 | -.713 | -.834 | -.743 |
| .40 | -.304 | -.532 | -.548 | -.703 | -.642 | .40 | -.324 | -.569 | -.611 | -.804 | -.736 |
| .50 | -.344 | -.445 | -.490 | -.536 | -.619 | .50 | -.350 | -.494 | -.565 | -.758 | -.736 |
| .60 | -.306 | -.351 | -.364 | -.251 | -.175 | .60 | -.339 | -.404 | -.448 | -.599 | -.691 |
| .67 | | | -.302 | | | .67 | | | -.365 | | |
| .70 | -.230 | -.289 | | -.287 | -.281 | .70 | -.269 | -.340 | | -.248 | -.482 |
| .80 | -.163 | | | -.357 | -.448 | .80 | -.204 | | | -.309 | -.298 |
| .84 | | | .002 | | | .84 | | | .003 | | |
| .86 | | -.177 | | | | .86 | | -.177 | | | |
| .90 | | | | -.248 | -.346 | .90 | | | | -.226 | -.323 |
| .91 | -.117 | | | | | .91 | -.136 | | | | |
| .95 | -.093 | -.051 | -.078 | -.095 | -.157 | .95 | -.100 | -.054 | -.069 | -.087 | -.165 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .043 | .095 | .021 | -.119 | -.127 | .05 | .059 | .139 | .090 | -.052 | -.058 |
| .10 | -.009 | .043 | -.082 | -.214 | -.281 | .10 | .008 | .083 | -.037 | -.154 | -.212 |
| .20 | -.079 | -.057 | -.166 | -.229 | -.254 | .20 | -.056 | -.027 | -.118 | -.193 | -.195 |
| .30 | -.102 | -.093 | -.190 | -.236 | -.214 | .30 | -.079 | -.056 | -.154 | -.207 | -.172 |
| .40 | -.091 | -.130 | -.181 | -.229 | -.173 | .40 | -.077 | -.100 | -.154 | -.206 | -.151 |
| .50 | -.056 | -.155 | -.184 | -.162 | -.122 | .50 | -.033 | -.131 | -.165 | -.144 | -.098 |
| .60 | -.039 | -.113 | -.166 | -.120 | -.018 | .60 | -.025 | -.089 | -.152 | -.107 | -0.000 |
| .67 | | | -.030 | | | .67 | | | -.024 | | |
| .70 | -.003 | .020 | | .123 | .169 | .70 | .014 | .026 | | .123 | .179 |
| .80 | .106 | | | .277 | .326 | .80 | .116 | | | .291 | .333 |
| .84 | | | -.129 | | | .84 | | | -.130 | | |
| .86 | | .222 | | | | .86 | | .223 | | | |
| .90 | | | | .333 | .389 | .90 | | | | .345 | .396 |
| .91 | .182 | | | | | .91 | .186 | | | | |
| .95 | .186 | .216 | .344 | .329 | .366 | .95 | .188 | .212 | .339 | .328 | .378 |

| (G) ALPHA = 3.93 DEGRÉES | | | | | | (H) ALPHA = 4.95 DEGRÉES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.080 | .048 | .370 | .700 | .737 | 0.00 | -.121 | -.041 | .307 | .656 | .731 |
| .05 | -.382 | -.827 | -1.041 | -.871 | -.771 | .05 | -.460 | -1.033 | -1.143 | -.960 | -.866 |
| .10 | -.430 | -.719 | -1.031 | -.919 | -.824 | .10 | -.487 | -.938 | -1.167 | -1.010 | -.917 |
| .20 | -.411 | -.573 | -.901 | -.897 | -.794 | .20 | -.447 | -.646 | -1.099 | -.986 | -.898 |
| .30 | -.335 | -.586 | -.729 | -.884 | -.790 | .30 | -.357 | -.632 | -.932 | -.973 | -.877 |
| .40 | -.345 | -.591 | -.639 | -.859 | -.782 | .40 | -.376 | -.657 | -.713 | -.951 | -.878 |
| .50 | -.358 | -.522 | -.597 | -.856 | -.783 | .50 | -.399 | -.576 | -.674 | -.956 | -.877 |
| .60 | -.356 | -.455 | -.505 | -.793 | -.780 | .60 | -.399 | -.557 | -.665 | -.908 | -.884 |
| .67 | | | -.415 | | | .67 | | | -.545 | | |
| .70 | -.299 | -.388 | | -.443 | -.736 | .70 | -.369 | -.468 | | -.901 | -.829 |
| .80 | -.235 | | | -.263 | -.542 | .80 | -.302 | | | -.411 | -.704 |
| .84 | | | .003 | | | .84 | | | -.001 | | |
| .86 | | -.188 | | | | .86 | | -.201 | | | |
| .90 | | | | -.196 | -.257 | .90 | | | | -.142 | -.303 |
| .91 | -.165 | | | | | .91 | -.222 | | | | |
| .95 | -.121 | -.059 | -.065 | -.081 | -.138 | .95 | -.176 | -.087 | -.078 | -.058 | -.110 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .065 | .168 | .135 | -.014 | -.009 | .05 | .089 | .232 | .226 | .087 | .065 |
| .10 | .020 | .120 | -.009 | -.118 | -.170 | .10 | .049 | .177 | .080 | -.034 | -.089 |
| .20 | -.040 | -.004 | -.092 | -.161 | -.166 | .20 | -.009 | .050 | -.023 | -.093 | -.101 |
| .30 | -.061 | -.036 | -.135 | -.172 | -.154 | .30 | -.028 | .010 | -.086 | -.118 | -.103 |
| .40 | -.057 | -.078 | -.131 | -.185 | -.124 | .40 | -.022 | -.036 | -.121 | -.131 | -.096 |
| .50 | -.019 | -.113 | -.150 | -.129 | -.084 | .50 | .005 | -.074 | -.108 | -.109 | -.073 |
| .60 | -.010 | -.084 | -.146 | -.091 | .009 | .60 | .022 | -.051 | -.121 | -.085 | -.001 |
| .67 | | | -.023 | | | .67 | | | -.019 | | |
| .70 | .021 | .026 | | .126 | .187 | .70 | .041 | .042 | | .133 | .173 |
| .80 | .124 | | | .290 | .339 | .80 | .137 | | | .301 | .337 |
| .84 | | | -.140 | | | .84 | | | -.160 | | |
| .86 | | .228 | | | | .86 | | .236 | | | |
| .90 | | | | .346 | .399 | .90 | | | | .363 | .389 |
| .91 | .192 | | | | | .91 | .195 | | | | |
| .95 | .184 | .203 | .335 | .348 | .388 | .95 | .188 | .200 | .328 | .345 | .368 |

RUN = 530 POINT = 15

TABLE 99 CONTINUED

RUN = 530 POINT = 16

| (I) ALPHA = 6.10 DEGREES | | | | | | (J) ALPHA = 8.07 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.173 | -.141 | .213 | .603 | .709 | 0.00 | -.282 | -.307 | .057 | .496 | .652 |
| .05 | -.531 | -1.192 | -1.224 | -1.054 | -.961 | .05 | -.711 | -1.279 | -1.359 | -1.206 | -1.105 |
| .10 | -.571 | -1.127 | -1.259 | -1.091 | -1.002 | .10 | -.693 | -1.258 | -1.336 | -1.222 | -1.142 |
| .20 | -.480 | -.754 | -1.201 | -1.080 | -.988 | .20 | -.541 | -1.118 | -1.325 | -1.200 | -1.121 |
| .30 | -.391 | -.685 | -1.166 | -1.061 | -.961 | .30 | -.460 | -1.029 | -1.262 | -1.169 | -1.056 |
| .40 | -.402 | -.695 | -.875 | -1.039 | -.954 | .40 | -.454 | -.881 | -1.089 | -1.117 | -1.004 |
| .50 | -.434 | -.641 | -.720 | -1.039 | -.951 | .50 | -.490 | -.758 | -.950 | -1.011 | -.948 |
| .60 | -.433 | -.630 | -.720 | -.983 | -.888 | .60 | -.509 | -.687 | -.864 | -.679 | -.515 |
| .67 | | | -.664 | | | .67 | | | -.697 | | |
| .70 | -.419 | -.562 | | -.892 | -.677 | .70 | -.505 | -.641 | | -.529 | -.424 |
| .80 | -.361 | | | -.494 | -.407 | .80 | -.456 | | | -.472 | -.379 |
| .84 | | | -.004 | | | .84 | | | -.046 | | |
| .86 | | -.240 | | | | .86 | | -.292 | | | |
| .90 | | | | -.305 | -.253 | .90 | | | | -.409 | -.349 |
| .91 | -.306 | | | | | .91 | -.415 | | | | |
| .95 | -.247 | -.116 | -.094 | -.227 | -.222 | .95 | -.354 | -.128 | -.253 | -.370 | -.345 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .106 | .290 | .312 | .186 | .173 | .05 | .123 | .364 | .435 | .326 | .285 |
| .10 | .081 | .244 | .160 | .053 | .014 | .10 | .129 | .323 | .263 | .169 | .114 |
| .20 | .036 | .111 | .039 | -.028 | -.053 | .20 | .099 | .199 | .134 | .055 | .023 |
| .30 | .015 | .054 | -.028 | -.074 | -.073 | .30 | .089 | .130 | .060 | -.002 | -.027 |
| .40 | .015 | -.001 | -.071 | -.089 | -.085 | .40 | .080 | .070 | .014 | -.042 | -.065 |
| .50 | .047 | -.039 | -.082 | -.093 | -.083 | .50 | .099 | .024 | -.029 | -.081 | -.084 |
| .60 | .049 | -.025 | -.097 | -.085 | -.020 | .60 | .097 | .016 | -.061 | -.104 | -.049 |
| .67 | | | -.006 | | | .67 | | | .007 | | |
| .70 | .068 | .062 | | .124 | .136 | .70 | .108 | .084 | | .074 | .100 |
| .80 | .153 | | | .285 | .301 | .80 | .182 | | | .243 | .273 |
| .84 | | | -.193 | | | .84 | | | -.274 | | |
| .86 | | .242 | | | | .86 | | .254 | | | |
| .90 | | | | .336 | .352 | .90 | | | | .294 | .327 |
| .91 | .208 | | | | | .91 | .225 | | | | |
| .95 | .193 | .192 | .327 | .324 | .325 | .95 | .204 | .199 | .309 | .262 | .292 |

RUN = 530 POINT = 17

TABLE 99 CONCLUDED

| | (K) ALPHA = .25 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .004 | .275 | .593 | .767 | .668 |
| .05 | -.157 | -.256 | -.284 | -.350 | -.164 |
| .10 | -.214 | -.258 | -.411 | -.310 | -.206 |
| .20 | -.229 | -.288 | -.384 | -.284 | -.211 |
| .30 | -.201 | -.340 | -.298 | -.266 | -.227 |
| .40 | -.195 | -.284 | -.198 | -.240 | -.265 |
| .50 | -.205 | -.221 | -.242 | -.273 | -.258 |
| .60 | -.157 | -.173 | -.263 | -.315 | -.267 |
| .67 | | | -.226 | | |
| .70 | -.099 | -.188 | | -.356 | -.302 |
| .80 | -.068 | | | -.350 | -.464 |
| .84 | | | -.005 | | |
| .86 | | -.190 | | | |
| .90 | | | | -.260 | -.286 |
| .91 | -.070 | | | | |
| .95 | -.061 | -.088 | -.103 | -.094 | -.144 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.038 | -.173 | -.367 | -.561 | -.673 |
| .10 | -.110 | -.149 | -.404 | -.626 | -.804 |
| .20 | -.182 | -.244 | -.398 | -.561 | -.731 |
| .30 | -.207 | -.251 | -.406 | -.524 | -.626 |
| .40 | -.205 | -.267 | -.395 | -.483 | -.194 |
| .50 | -.152 | -.334 | -.315 | -.216 | -.156 |
| .60 | -.138 | -.209 | -.242 | -.150 | -.041 |
| .67 | | | -.066 | | |
| .70 | -.084 | -.032 | | .096 | .146 |
| .80 | .046 | | | .249 | .287 |
| .84 | | | -.214 | | |
| .86 | | .176 | | | |
| .90 | | | | .311 | .341 |
| .91 | .139 | | | | |
| .95 | .181 | .197 | .327 | .304 | .323 |

RUN = 529 POINT = 3

TABLE 100

WING PRESSURE COEFFICIENTS

RUN = 529 POINT = 4

| (A) ALPHA = -.80 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .311 | .637 | .756 | .638 | 0.00 | .011 | .275 | .599 | .766 | .686 |
| .05 | -.110 | -.146 | -.142 | -.183 | -.042 | .05 | -.151 | -.257 | -.275 | -.365 | -.172 |
| .10 | -.159 | -.157 | -.244 | -.183 | -.085 | .10 | -.204 | -.257 | -.394 | -.349 | -.203 |
| .20 | -.190 | -.188 | -.217 | -.205 | -.133 | .20 | -.240 | -.285 | -.381 | -.265 | -.212 |
| .30 | -.159 | -.225 | -.258 | -.200 | -.159 | .30 | -.202 | -.314 | -.375 | -.300 | -.228 |
| .40 | -.157 | -.206 | -.146 | -.198 | -.199 | .40 | -.202 | -.285 | -.203 | -.260 | -.259 |
| .50 | -.157 | -.177 | -.179 | -.231 | -.233 | .50 | -.206 | -.205 | -.197 | -.297 | -.266 |
| .60 | -.110 | -.125 | -.231 | -.274 | -.270 | .60 | -.164 | -.159 | -.256 | -.293 | -.315 |
| .67 | | | -.208 | | | .67 | | | -.245 | | |
| .70 | -.059 | -.152 | | -.337 | -.296 | .70 | -.098 | -.174 | | -.354 | -.341 |
| .80 | -.044 | | | -.397 | -.408 | .80 | -.068 | | | -.461 | -.481 |
| .84 | | | .027 | | | .84 | | | .028 | | |
| .86 | | -.171 | | | | .86 | | -.197 | | | |
| .90 | | | | -.228 | -.352 | .90 | | | | -.234 | -.304 |
| .91 | -.059 | | | | | .91 | -.077 | | | | |
| .95 | -.061 | -.078 | -.090 | -.072 | -.113 | .95 | -.072 | -.082 | -.090 | -.067 | -.135 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.076 | -.277 | -.563 | -.653 | -.727 | .05 | -.038 | -.170 | -.365 | -.520 | -.629 |
| .10 | -.127 | -.275 | -.521 | -.784 | -.864 | .10 | -.106 | -.214 | -.395 | -.609 | -.768 |
| .20 | -.210 | -.326 | -.502 | -.727 | -.857 | .20 | -.183 | -.233 | -.411 | -.565 | -.740 |
| .30 | -.282 | -.314 | -.487 | -.658 | -.845 | .30 | -.236 | -.241 | -.424 | -.543 | -.688 |
| .40 | -.227 | -.333 | -.495 | -.680 | -.783 | .40 | -.200 | -.275 | -.426 | -.581 | -.631 |
| .50 | -.186 | -.420 | -.578 | -.712 | -.420 | .50 | -.145 | -.344 | -.417 | -.271 | -.093 |
| .60 | -.171 | -.355 | -.269 | -.124 | -.026 | .60 | -.136 | -.264 | -.258 | -.128 | -.004 |
| .67 | | | -.065 | | | .67 | | | -.062 | | |
| .70 | -.140 | -.059 | | .089 | .120 | .70 | -.100 | -.036 | | .101 | .169 |
| .80 | -.004 | | | .218 | .243 | .80 | .031 | | | .259 | .311 |
| .84 | | | -.113 | | | .84 | | | -.134 | | |
| .86 | | .137 | | | | .86 | | .167 | | | |
| .90 | | | | .306 | .271 | .90 | | | | .322 | .371 |
| .91 | .114 | | | | | .91 | .134 | | | | |
| .95 | .305 | .181 | .312 | .309 | .266 | .95 | .247 | .196 | .324 | .311 | .350 |

RUN = 529 POINT = 5

TABLE 100 CONTINUED

RUN = 529 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.98 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.004 | .243 | .561 | .765 | .718 | 0.00 | -.023 | .198 | .518 | .754 | .735 |
| .05 | -.196 | -.345 | -.421 | -.535 | -.336 | .05 | -.268 | -.465 | -.636 | -.633 | -.539 |
| .10 | -.262 | -.345 | -.532 | -.546 | -.333 | .10 | -.317 | -.467 | -.640 | -.692 | -.560 |
| .20 | -.274 | -.362 | -.459 | -.454 | -.296 | .20 | -.325 | -.399 | -.565 | -.642 | -.558 |
| .30 | -.236 | -.402 | -.495 | -.391 | -.263 | .30 | -.278 | -.462 | -.586 | -.597 | -.553 |
| .40 | -.236 | -.375 | -.303 | -.178 | -.279 | .40 | -.268 | -.460 | -.432 | -.550 | -.509 |
| .50 | -.251 | -.308 | -.243 | -.268 | -.282 | .50 | -.299 | -.384 | -.390 | -.361 | -.482 |
| .60 | -.213 | -.217 | -.251 | -.314 | -.354 | .60 | -.270 | -.294 | -.321 | -.299 | -.220 |
| .67 | | | -.247 | | | .67 | | | -.287 | | |
| .70 | -.142 | -.198 | | -.375 | -.403 | .70 | -.187 | -.272 | | -.354 | -.285 |
| .80 | -.098 | | | -.502 | -.521 | .80 | -.146 | | | -.376 | -.457 |
| .84 | | | .027 | | | .84 | | | .031 | | |
| .86 | | -.188 | | | | .86 | | -.197 | | | |
| .90 | | | | -.213 | -.248 | .90 | | | | -.236 | -.475 |
| .91 | -.087 | | | | | .91 | -.116 | | | | |
| .95 | -.072 | -.070 | -.102 | -.062 | -.124 | .95 | -.087 | -.058 | -.071 | -.072 | -.135 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.010 | -.072 | -.222 | -.377 | -.505 | .05 | .019 | .017 | -.094 | -.251 | -.316 |
| .10 | -.072 | -.121 | -.274 | -.489 | -.634 | .10 | -.038 | -.041 | -.170 | -.354 | -.475 |
| .20 | -.157 | -.175 | -.310 | -.470 | -.585 | .20 | -.121 | -.115 | -.234 | -.349 | -.410 |
| .30 | -.183 | -.180 | -.332 | -.439 | -.500 | .30 | -.142 | -.127 | -.267 | -.328 | -.299 |
| .40 | -.166 | -.224 | -.353 | -.456 | -.265 | .40 | -.131 | -.176 | -.262 | -.380 | -.217 |
| .50 | -.119 | -.285 | -.290 | -.189 | -.166 | .50 | -.080 | -.209 | -.249 | -.183 | -.149 |
| .60 | -.108 | -.199 | -.237 | -.148 | -.042 | .60 | -.067 | -.151 | -.218 | -.135 | -.027 |
| .67 | | | -.051 | | | .67 | | | -.048 | | |
| .70 | -.068 | -.020 | | .101 | .153 | .70 | -.031 | -.001 | | .112 | .159 |
| .80 | .059 | | | .258 | .299 | .80 | .085 | | | .263 | .312 |
| .84 | | | -.130 | | | .84 | | | -.142 | | |
| .86 | | .195 | | | | .86 | | .208 | | | |
| .90 | | | | .317 | .362 | .90 | | | | .331 | .380 |
| .91 | .147 | | | | | .91 | .172 | | | | |
| .95 | .213 | .208 | .336 | .310 | .346 | .95 | .202 | .215 | .341 | .329 | .362 |

RUN = 529 POINT = 7

TABLE 100 CONTINUED

RUN = 529 POINT = 8

| (E) ALPHA = 2.86 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.041 | .145 | .470 | .744 | .749 | 0.00 | -.063 | .093 | .436 | .724 | .743 |
| .05 | -.316 | -.615 | -.828 | -.714 | -.626 | .05 | -.355 | -.681 | -.900 | -.758 | -.667 |
| .10 | -.365 | -.565 | -.813 | -.782 | -.655 | .10 | -.388 | -.621 | -.904 | -.818 | -.505 |
| .20 | -.369 | -.479 | -.686 | -.749 | -.654 | .20 | -.396 | -.509 | -.780 | -.801 | -.476 |
| .30 | -.279 | -.499 | -.650 | -.736 | -.647 | .30 | -.300 | -.525 | -.673 | -.790 | -.477 |
| .40 | -.303 | -.508 | -.552 | -.722 | -.638 | .40 | -.321 | -.548 | -.597 | -.761 | -.579 |
| .50 | -.318 | -.442 | -.506 | -.656 | -.643 | .50 | -.338 | -.481 | -.557 | -.752 | -.546 |
| .60 | -.301 | -.377 | -.406 | -.577 | -.671 | .60 | -.334 | -.426 | -.525 | -.684 | -.577 |
| .67 | | | -.372 | | | .67 | | | -.420 | | |
| .70 | -.249 | -.334 | | -.437 | -.631 | .70 | -.279 | -.375 | | -.564 | -.505 |
| .80 | -.198 | | | -.332 | -.478 | .80 | -.227 | | | -.449 | -.536 |
| .84 | | | .020 | | | .84 | | | .020 | | |
| .86 | | -.228 | | | | .86 | | -.247 | | | |
| .90 | | | | -.193 | -.270 | .90 | | | | -.151 | -.349 |
| .91 | -.146 | | | | | .91 | -.187 | | | | |
| .95 | -.120 | -.065 | -.086 | -.055 | -.180 | .95 | -.144 | -.070 | -.089 | -.036 | -.144 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .042 | .084 | .014 | -.141 | -.174 | .05 | .054 | .130 | .069 | -.083 | -.097 |
| .10 | -.011 | .035 | -.097 | -.246 | -.369 | .10 | .007 | .079 | -.047 | -.180 | -.197 |
| .20 | -.084 | -.059 | -.173 | -.283 | -.287 | .20 | -.067 | -.030 | -.125 | -.231 | -.204 |
| .30 | -.107 | -.084 | -.202 | -.272 | -.253 | .30 | -.095 | -.072 | -.166 | -.246 | -.194 |
| .40 | -.094 | -.141 | -.220 | -.294 | -.185 | .40 | -.082 | -.106 | -.175 | -.224 | -.139 |
| .50 | -.058 | -.160 | -.213 | -.182 | -.124 | .50 | -.037 | -.142 | -.184 | -.162 | -.108 |
| .60 | -.041 | -.124 | -.200 | -.121 | -.011 | .60 | -.026 | -.110 | -.182 | -.123 | -.006 |
| .67 | | | -.040 | | | .67 | | | -.032 | | |
| .70 | -.008 | .006 | | .121 | .173 | .70 | .001 | .016 | | .114 | .171 |
| .80 | .102 | | | .276 | .333 | .80 | .110 | | | .278 | .333 |
| .84 | | | -.163 | | | .84 | | | -.178 | | |
| .86 | | .216 | | | | .86 | | .216 | | | |
| .90 | | | | .336 | .397 | .90 | | | | .343 | .364 |
| .91 | .177 | | | | | .91 | .180 | | | | |
| .95 | .186 | .205 | .334 | .322 | .381 | .95 | .183 | .206 | .333 | .338 | .357 |

RUN = 529 POINT = 9

TABLE 100

CONTINUED

RUN = 529 POINT = 10

| (G) ALPHA = 3.86 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.076 | .061 | .401 | .715 | .749 | 0.00 | -.122 | -.021 | .331 | .672 | .738 |
| .05 | -.373 | -.775 | -.956 | -.802 | -.707 | .05 | -.447 | -1.000 | -1.049 | -.901 | -.787 |
| .10 | -.436 | -.669 | -.971 | -.860 | -.749 | .10 | -.494 | -.927 | -1.100 | -.941 | -.846 |
| .20 | -.408 | -.548 | -.900 | -.849 | -.743 | .20 | -.458 | -.602 | -1.034 | -.925 | -.832 |
| .30 | -.309 | -.557 | -.691 | -.826 | -.740 | .30 | -.357 | -.610 | -.949 | -.925 | -.827 |
| .40 | -.326 | -.582 | -.639 | -.815 | -.738 | .40 | -.359 | -.618 | -.665 | -.895 | -.825 |
| .50 | -.343 | -.504 | -.582 | -.815 | -.737 | .50 | -.387 | -.550 | -.642 | -.912 | -.827 |
| .60 | -.343 | -.475 | -.591 | -.796 | -.757 | .60 | -.378 | -.551 | -.648 | -.915 | -.839 |
| .67 | | | -.471 | | | .67 | | | -.582 | | |
| .70 | -.304 | -.412 | | -.727 | -.762 | .70 | -.355 | -.483 | | -.853 | -.785 |
| .80 | -.248 | | | -.538 | -.686 | .80 | -.299 | | | -.754 | -.664 |
| .84 | | | .014 | | | .84 | | | .010 | | |
| .86 | | -.263 | | | | .86 | | -.290 | | | |
| .90 | | | | -.118 | -.365 | .90 | | | | -.300 | -.398 |
| .91 | -.205 | | | | | .91 | -.269 | | | | |
| .95 | -.160 | -.080 | -.101 | -.023 | -.225 | .95 | -.228 | -.122 | -.122 | -.163 | -.316 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .065 | .163 | .115 | -.038 | -.049 | .05 | .084 | .235 | .223 | .068 | .037 |
| .10 | .020 | .115 | -.009 | -.146 | -.208 | .10 | .049 | .180 | .074 | -.061 | -.119 |
| .20 | -.046 | -.004 | -.102 | -.188 | -.210 | .20 | -.012 | .049 | -.030 | -.114 | -.136 |
| .30 | -.065 | -.044 | -.148 | -.210 | -.187 | .30 | -.030 | .012 | -.099 | -.150 | -.140 |
| .40 | -.061 | -.090 | -.157 | -.216 | -.156 | .40 | -.025 | -.046 | -.134 | -.178 | -.140 |
| .50 | -.018 | -.126 | -.172 | -.159 | -.111 | .50 | .008 | -.086 | -.128 | -.143 | -.116 |
| .60 | -.009 | -.101 | -.173 | -.116 | -.007 | .60 | .010 | -.067 | -.152 | -.117 | -.033 |
| .67 | | | -.031 | | | .67 | | | -.028 | | |
| .70 | .016 | .018 | | .116 | .169 | .70 | .042 | .031 | | .111 | .148 |
| .80 | .119 | | | .280 | .324 | .80 | .137 | | | .281 | .307 |
| .84 | | | -.201 | | | .84 | | | -.225 | | |
| .86 | | .224 | | | | .86 | | .221 | | | |
| .90 | | | | .349 | .380 | .90 | | | | .339 | .358 |
| .91 | .186 | | | | | .91 | .195 | | | | |
| .95 | .192 | .203 | .332 | .340 | .362 | .95 | .183 | .189 | .316 | .338 | .333 |

RUN = 529 POINT = 11

TABLE 100 CONTINUED

RUN = 529 POINT = 12

| (I) ALPHA = 5.95 DEGREES | | | | | | (J) ALPHA = 8.00 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.164 | -.089 | .257 | .643 | .728 | 0.00 | -.279 | -.271 | .108 | .527 | .674 |
| .05 | -.533 | -1.142 | -1.145 | -.967 | -.875 | .05 | -.706 | -1.240 | -1.293 | -1.132 | -1.022 |
| .10 | -.555 | -1.073 | -1.193 | -1.009 | -.922 | .10 | -.708 | -1.219 | -1.286 | -1.156 | -1.062 |
| .20 | -.491 | -.710 | -1.132 | -1.001 | -.903 | .20 | -.579 | -1.066 | -1.253 | -1.132 | -1.055 |
| .30 | -.387 | -.661 | -1.086 | -.990 | -.893 | .30 | -.453 | -.961 | -1.221 | -1.126 | -1.029 |
| .40 | -.383 | -.649 | -.870 | -.972 | -.886 | .40 | -.442 | -.862 | -1.084 | -1.086 | -.974 |
| .50 | -.417 | -.611 | -.693 | -.983 | -.879 | .50 | -.479 | -.740 | -.945 | -1.051 | -.974 |
| .60 | -.411 | -.602 | -.687 | -.950 | -.880 | .60 | -.485 | -.674 | -.879 | -.947 | -.713 |
| .67 | | | -.657 | | | .67 | | | -.792 | | |
| .70 | -.392 | -.547 | | -.919 | -.834 | .70 | -.483 | -.624 | | -.637 | -.492 |
| .80 | -.344 | | | -.630 | -.709 | .80 | -.438 | | | -.520 | -.424 |
| .84 | | | .003 | | | .84 | | | -.013 | | |
| .86 | | -.330 | | | | .86 | | -.436 | | | |
| .90 | | | | -.374 | -.391 | .90 | | | | -.448 | -.397 |
| .91 | -.329 | | | | | .91 | -.429 | | | | |
| .95 | -.297 | -.152 | -.159 | -.307 | -.276 | .95 | -.431 | -.193 | -.288 | -.415 | -.383 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .288 | .302 | .164 | .126 | .05 | .121 | .368 | .423 | .310 | .264 |
| .10 | .078 | .242 | .144 | .023 | -.016 | .10 | .127 | .324 | .263 | .153 | .093 |
| .20 | .031 | .102 | .027 | -.056 | -.082 | .20 | .095 | .193 | .129 | .042 | .005 |
| .30 | .011 | .053 | -.032 | -.089 | -.099 | .30 | .082 | .130 | .047 | -.018 | -.046 |
| .40 | .013 | -.009 | -.083 | -.127 | -.115 | .40 | .078 | .066 | 0.000 | -.049 | -.084 |
| .50 | .043 | -.049 | -.094 | -.122 | -.113 | .50 | .099 | .019 | -.038 | -.098 | -.108 |
| .60 | .043 | -.041 | -.127 | -.106 | -.042 | .60 | .091 | .007 | -.084 | -.127 | -.065 |
| .67 | | | -.014 | | | .67 | | | -.001 | | |
| .70 | .063 | .045 | | .098 | .128 | .70 | .105 | .079 | | .064 | .100 |
| .80 | .155 | | | .266 | .290 | .80 | .180 | | | .241 | .272 |
| .84 | | | -.257 | | | .84 | | | -.342 | | |
| .86 | | .235 | | | | .86 | | .250 | | | |
| .90 | | | | .312 | .352 | .90 | | | | .293 | .329 |
| .91 | .203 | | | | | .91 | .221 | | | | |
| .95 | .192 | .183 | .317 | .300 | .321 | .95 | .198 | .184 | .303 | .266 | .303 |

RUN = 529 POINT = 13

TABLE 100 CONCLUDED

RUN = 529 POINT = 14

| (K) ALPHA = 9.03 DEGREES | | | | | | (L) ALPHA = .17 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.340 | -.370 | .015 | .463 | .640 | 0.00 | .009 | .276 | .603 | .763 | .681 |
| .05 | -.794 | -1.218 | -1.318 | -1.199 | -1.104 | .05 | -.156 | -.249 | -.273 | -.365 | -.185 |
| .10 | -.798 | -1.220 | -1.307 | -1.212 | -1.137 | .10 | -.206 | -.249 | -.405 | -.312 | -.206 |
| .20 | -.615 | -1.163 | -1.254 | -1.177 | -1.097 | .20 | -.234 | -.286 | -.386 | -.263 | -.218 |
| .30 | -.465 | -1.136 | -1.133 | -1.126 | -1.035 | .30 | -.202 | -.322 | -.369 | -.299 | -.226 |
| .40 | -.461 | -1.064 | -1.013 | -1.082 | -.971 | .40 | -.204 | -.292 | -.210 | -.258 | -.257 |
| .50 | -.500 | -1.053 | -.951 | -.829 | -.947 | .50 | -.211 | -.229 | -.210 | -.297 | -.269 |
| .60 | -.511 | -.915 | -.873 | -.656 | -.549 | .60 | -.165 | -.161 | -.261 | -.296 | -.311 |
| .67 | | | -.767 | | | .67 | | | -.257 | | |
| .70 | -.511 | -.687 | | -.576 | -.480 | .70 | -.102 | -.184 | | -.356 | -.340 |
| .80 | -.478 | | | -.512 | -.451 | .80 | -.072 | | | -.461 | -.479 |
| .84 | | | -.020 | | | .84 | | | .009 | | |
| .86 | | -.426 | | | | .86 | | -.199 | | | |
| .90 | | | | -.481 | -.420 | .90 | | | | -.243 | -.297 |
| .91 | -.476 | | | | | .91 | -.076 | | | | |
| .95 | -.466 | -.153 | -.485 | -.452 | -.415 | .95 | -.074 | -.085 | -.094 | -.071 | -.137 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .139 | .403 | .489 | .387 | .330 | .05 | -.041 | -.159 | -.361 | -.523 | -.640 |
| .10 | .150 | .367 | .321 | .220 | .158 | .10 | -.098 | -.132 | -.390 | -.619 | -.772 |
| .20 | .135 | .247 | .196 | .096 | .055 | .20 | -.178 | -.233 | -.392 | -.568 | -.747 |
| .30 | .119 | .174 | .103 | .020 | -.001 | .30 | -.247 | -.250 | -.410 | -.553 | -.710 |
| .40 | .121 | .107 | .054 | -.012 | -.061 | .40 | -.193 | -.290 | -.421 | -.588 | -.623 |
| .50 | .134 | .058 | -.007 | -.080 | -.085 | .50 | -.152 | -.352 | -.386 | -.252 | -.086 |
| .60 | .126 | .043 | -.056 | -.121 | -.054 | .60 | -.139 | -.261 | -.259 | -.134 | -.002 |
| .67 | | | .012 | | | .67 | | | -.061 | | |
| .70 | .132 | .098 | | .058 | .093 | .70 | -.100 | -.039 | | .104 | .165 |
| .80 | .199 | | | .239 | .267 | .80 | .029 | | | .261 | .306 |
| .84 | | | -.410 | | | .84 | | | -.267 | | |
| .86 | | .255 | | | | .86 | | .172 | | | |
| .90 | | | | .291 | .332 | .90 | | | | .314 | .366 |
| .91 | .230 | | | | | .91 | .133 | | | | |
| .95 | .208 | .196 | .289 | .254 | .298 | .95 | .183 | .189 | .323 | .306 | .345 |

RUN = 528 POINT = 4

TABLE 101

WING PRESSURE COEFFICIENTS

RUN = 528 POINT = 5

| (A) ALPHA = -.85 DEGREES | | | | | | (B) ALPHA = .27 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .303 | .650 | .772 | .652 | 0.00 | .013 | .272 | .610 | .775 | .701 |
| .05 | -.103 | -.135 | -.115 | -.162 | -.041 | .05 | -.166 | -.249 | -.280 | -.379 | -.178 |
| .10 | -.147 | -.145 | -.232 | -.182 | -.099 | .10 | -.218 | -.230 | -.399 | -.387 | -.204 |
| .20 | -.209 | -.198 | -.229 | -.190 | -.132 | .20 | -.262 | -.296 | -.378 | -.331 | -.215 |
| .30 | -.169 | -.255 | -.211 | -.214 | -.169 | .30 | -.215 | -.330 | -.401 | -.250 | -.227 |
| .40 | -.156 | -.203 | -.153 | -.184 | -.209 | .40 | -.201 | -.293 | -.244 | -.215 | -.258 |
| .50 | -.160 | -.155 | -.172 | -.238 | -.232 | .50 | -.218 | -.251 | -.219 | -.276 | -.302 |
| .60 | -.114 | -.119 | -.209 | -.252 | -.274 | .60 | -.160 | -.169 | -.219 | -.326 | -.314 |
| .67 | | | -.213 | | | .67 | | | -.225 | | |
| .70 | -.055 | -.145 | | -.324 | -.312 | .70 | -.107 | -.173 | | -.359 | -.361 |
| .80 | -.042 | | | -.445 | -.452 | .80 | -.065 | | | -.479 | -.486 |
| .84 | | | .049 | | | .84 | | | .042 | | |
| .86 | | -.199 | | | | .86 | | -.211 | | | |
| .90 | | | | -.166 | -.230 | .90 | | | | -.211 | -.267 |
| .91 | -.069 | | | | | .91 | -.079 | | | | |
| .95 | -.082 | -.099 | -.067 | -.020 | -.080 | .95 | -.086 | -.098 | -.087 | -.047 | -.101 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.071 | -.305 | -.544 | -.603 | -.678 | .05 | -.031 | -.169 | -.357 | -.492 | -.587 |
| .10 | -.126 | -.318 | -.504 | -.727 | -.815 | .10 | -.094 | -.192 | -.381 | -.582 | -.714 |
| .20 | -.219 | -.243 | -.485 | -.696 | -.813 | .20 | -.183 | -.232 | -.385 | -.560 | -.706 |
| .30 | -.281 | -.312 | -.472 | -.659 | -.808 | .30 | -.254 | -.249 | -.401 | -.542 | -.679 |
| .40 | -.317 | -.316 | -.479 | -.668 | -.794 | .40 | -.166 | -.269 | -.424 | -.590 | -.666 |
| .50 | -.148 | -.410 | -.587 | -.700 | -.715 | .50 | -.143 | -.362 | -.516 | -.643 | -.594 |
| .60 | -.171 | -.387 | -.520 | -.188 | -.169 | .60 | -.128 | -.316 | -.307 | -.133 | -.013 |
| .67 | | | -.092 | | | .67 | | | -.075 | | |
| .70 | -.152 | -.097 | | -.041 | .037 | .70 | -.109 | -.056 | | .073 | .140 |
| .80 | -.023 | | | .098 | .166 | .80 | .020 | | | .223 | .294 |
| .84 | | | -.090 | | | .84 | | | -.084 | | |
| .86 | | .122 | | | | .86 | | .157 | | | |
| .90 | | | | .241 | .227 | .90 | | | | .293 | .364 |
| .91 | .097 | | | | | .91 | .124 | | | | |
| .95 | 1.146 | .182 | .304 | .294 | .243 | .95 | .815 | .190 | .317 | .296 | .352 |

RUN = 528 POINT = 6

TABLE 101 CONTINUED

RUN = 528 POINT = 7

| (C) ALPHA = 1.16 DEGREES | | | | | | (D) ALPHA = 2.05 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.004 | .248 | .573 | .769 | .724 | 0.00 | -.022 | .206 | .532 | .761 | .737 |
| .05 | -.217 | -.349 | -.420 | -.512 | -.387 | .05 | -.273 | .206 | .538 | .761 | -.486 |
| .10 | -.269 | -.356 | -.521 | -.539 | -.397 | .10 | -.330 | -.448 | -.624 | -.581 | -.520 |
| .20 | -.309 | -.335 | -.448 | -.480 | -.387 | .20 | -.337 | -.440 | -.619 | -.651 | -.524 |
| .30 | -.224 | -.389 | -.500 | -.476 | -.373 | .30 | -.257 | -.438 | -.552 | -.598 | -.519 |
| .40 | -.251 | -.379 | -.355 | -.412 | -.316 | .40 | -.270 | -.455 | -.579 | -.603 | -.524 |
| .50 | -.254 | -.326 | -.326 | -.262 | -.300 | .50 | -.283 | -.381 | -.472 | -.539 | -.524 |
| .60 | -.222 | -.244 | -.282 | -.305 | -.300 | .60 | -.268 | -.305 | -.436 | -.525 | -.524 |
| .67 | | | -.267 | | | .67 | | | -.343 | | |
| .70 | -.143 | -.223 | | -.342 | -.352 | .70 | -.200 | -.288 | | -.412 | -.508 |
| .80 | -.113 | | | -.476 | -.488 | .80 | -.157 | | | -.388 | -.422 |
| .84 | | | .040 | | | .84 | | | -.330 | | |
| .86 | | -.225 | | | | .86 | | -.250 | | | |
| .90 | | | | -.210 | -.422 | .90 | | | | -.497 | -.474 |
| .91 | -.109 | | | | | .91 | -.144 | | | | |
| .95 | -.090 | -.074 | -.062 | -.053 | -.119 | .95 | -.144 | -.086 | .044 | -.152 | -.233 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.007 | -.062 | -.207 | -.373 | -.479 | .05 | -.118 | .014 | -.083 | -.024 | -.109 |
| .10 | -.066 | -.102 | -.257 | -.480 | -.617 | .10 | .020 | -.029 | -.176 | -.264 | -.351 |
| .20 | -.149 | -.171 | -.301 | -.473 | -.597 | .20 | -.043 | -.107 | -.231 | -.370 | -.494 |
| .30 | -.226 | -.175 | -.342 | -.464 | -.566 | .30 | -.120 | -.128 | -.280 | -.380 | -.477 |
| .40 | -.156 | -.219 | -.356 | -.523 | -.542 | .40 | -.155 | -.170 | -.286 | -.377 | -.432 |
| .50 | -.111 | -.297 | -.367 | -.449 | -.145 | .50 | -.131 | -.170 | -.269 | -.441 | -.321 |
| .60 | -.105 | -.238 | -.262 | -.112 | -.011 | .60 | -.082 | -.248 | -.240 | -.124 | -.154 |
| .67 | | | -.070 | | | .67 | | | -.068 | | |
| .70 | -.075 | -.035 | | .109 | .161 | .70 | -.071 | -.177 | | .112 | -.012 |
| .80 | .048 | | | .259 | .311 | .80 | -.046 | | | .272 | .174 |
| .84 | | | -.120 | | | .84 | | | -.171 | | |
| .86 | | .185 | | | | .86 | | -.014 | | | |
| .90 | | | | .318 | .385 | .90 | | | | .326 | .321 |
| .91 | .146 | | | | | .91 | .078 | | | | |
| .95 | .608 | .204 | .333 | .300 | .361 | .95 | .157 | .202 | .331 | .317 | .386 |

RUN = 528 POINT = 8

TABLE 101 CONTINUED

RUN = 528 POINT = 9

| (E) ALPHA = 2.94 DEGREES | | | | | | (F) ALPHA = 3.37 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.039 | .151 | .491 | .755 | .749 | 0.00 | -.056 | .114 | .469 | .746 | .752 |
| .05 | -.323 | -.610 | -.771 | -.657 | -.378 | .05 | -.336 | -.680 | -.833 | -.691 | -.607 |
| .10 | -.371 | -.513 | -.765 | -.728 | -.402 | .10 | -.392 | -.574 | -.838 | -.760 | -.654 |
| .20 | -.358 | -.468 | -.692 | -.708 | -.439 | .20 | -.373 | -.509 | -.755 | -.740 | -.649 |
| .30 | -.287 | -.479 | -.617 | -.697 | -.395 | .30 | -.299 | -.508 | -.651 | -.740 | -.644 |
| .40 | -.280 | -.502 | -.547 | -.668 | -.399 | .40 | -.299 | -.527 | -.586 | -.724 | -.651 |
| .50 | -.311 | -.441 | -.504 | -.640 | -.508 | .50 | -.323 | -.457 | -.537 | -.731 | -.654 |
| .60 | -.300 | -.403 | -.492 | -.577 | -.501 | .60 | -.308 | -.438 | -.546 | -.652 | -.676 |
| .67 | | | -.392 | | | .67 | | | -.448 | | |
| .70 | -.248 | -.338 | | -.544 | -.447 | .70 | -.278 | -.368 | | -.603 | -.704 |
| .80 | -.192 | | | -.518 | -.547 | .80 | -.207 | | | -.632 | -.657 |
| .84 | | | .040 | | | .84 | | | .035 | | |
| .86 | | -.285 | | | | .86 | | -.300 | | | |
| .90 | | | | -.142 | -.330 | .90 | | | | -.148 | -.380 |
| .91 | -.181 | | | | | .91 | -.198 | | | | |
| .95 | -.154 | -.101 | -.095 | -.039 | -.174 | .95 | -.168 | -.118 | -.116 | -.055 | -.284 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .043 | .091 | .013 | -.138 | -.154 | .05 | .053 | .122 | .066 | -.101 | -.141 |
| .10 | -.007 | .050 | -.085 | -.257 | -.364 | .10 | .002 | .075 | -.052 | -.220 | -.349 |
| .20 | -.085 | -.061 | -.171 | -.284 | -.297 | .20 | -.073 | -.028 | -.141 | -.253 | -.320 |
| .30 | -.117 | -.088 | -.209 | -.297 | -.307 | .30 | -.095 | -.066 | -.185 | -.274 | -.296 |
| .40 | -.098 | -.128 | -.235 | -.368 | -.211 | .40 | -.080 | -.104 | -.200 | -.333 | -.230 |
| .50 | -.055 | -.181 | -.229 | -.171 | -.133 | .50 | -.038 | -.167 | -.214 | -.170 | -.156 |
| .60 | -.044 | -.149 | -.233 | -.133 | -.019 | .60 | -.030 | -.133 | -.231 | -.137 | -.034 |
| .67 | | | -.071 | | | .67 | | | -.074 | | |
| .70 | -.014 | -.001 | | .108 | .165 | .70 | -.004 | .005 | | .103 | .156 |
| .80 | .095 | | | .261 | .292 | .80 | .103 | | | .259 | .316 |
| .84 | | | -.208 | | | .84 | | | -.220 | | |
| .86 | | .207 | | | | .86 | | .210 | | | |
| .90 | | | | .323 | .323 | .90 | | | | .323 | .378 |
| .91 | .170 | | | | | .91 | .176 | | | | |
| .95 | .372 | .200 | .326 | .314 | .342 | .95 | .306 | .196 | .317 | .316 | .352 |

RUN = 528 POINT = 10

TABLE 101 CONTINUED

RUN = 528 POINT = 11

| (G) ALPHA = 3.86 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.073 | .096 | .431 | .734 | .749 | 0.00 | -.112 | .010 | .368 | .704 | .745 |
| .05 | -.383 | -.764 | -.901 | -.739 | -.643 | .05 | -.453 | -.964 | -.995 | -.829 | -.714 |
| .10 | -.426 | -.672 | -.928 | -.800 | -.697 | .10 | -.475 | -.889 | -1.046 | -.871 | -.775 |
| .20 | -.392 | -.538 | -.827 | -.785 | -.693 | .20 | -.427 | -.563 | -.972 | -.862 | -.778 |
| .30 | -.316 | -.543 | -.671 | -.785 | -.685 | .30 | -.350 | -.584 | -.872 | -.864 | -.763 |
| .40 | -.316 | -.549 | -.618 | -.774 | -.693 | .40 | -.343 | -.579 | -.622 | -.845 | -.763 |
| .50 | -.334 | -.488 | -.570 | -.785 | -.683 | .50 | -.365 | -.528 | -.618 | -.853 | -.771 |
| .60 | -.321 | -.467 | -.576 | -.771 | -.719 | .60 | -.350 | -.518 | -.620 | -.871 | -.792 |
| .67 | | | -.490 | | | .67 | | | -.567 | | |
| .70 | -.295 | -.410 | | -.712 | -.729 | .70 | -.332 | -.465 | | -.825 | -.776 |
| .80 | -.235 | | | -.665 | -.671 | .80 | -.274 | | | -.809 | -.733 |
| .84 | | | .028 | | | .84 | | | .032 | | |
| .86 | | -.315 | | | | .86 | | -.338 | | | |
| .90 | | | | -.161 | -.407 | .90 | | | | -.425 | -.555 |
| .91 | -.226 | | | | | .91 | -.270 | | | | |
| .95 | -.204 | -.131 | -.133 | -.071 | -.316 | .95 | -.252 | -.158 | -.155 | -.281 | -.440 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .062 | .157 | .114 | -.055 | -.087 | .05 | .081 | .229 | .213 | .055 | .010 |
| .10 | .014 | .110 | -.017 | -.166 | -.292 | .10 | .046 | .176 | .066 | -.077 | -.153 |
| .20 | -.054 | -.003 | -.104 | -.221 | -.282 | .20 | -.009 | .051 | -.038 | -.137 | -.170 |
| .30 | -.069 | -.034 | -.161 | -.236 | -.232 | .30 | -.032 | .011 | -.108 | -.184 | -.200 |
| .40 | -.062 | -.097 | -.188 | -.316 | -.232 | .40 | -.022 | -.045 | -.142 | -.239 | -.189 |
| .50 | -.024 | -.142 | -.205 | -.174 | -.158 | .50 | .008 | -.092 | -.150 | -.179 | -.189 |
| .60 | -.017 | -.117 | -.227 | -.144 | -.049 | .60 | .014 | -.083 | -.193 | -.151 | -.060 |
| .67 | | | -.064 | | | .67 | | | -.068 | | |
| .70 | .006 | .009 | | .100 | .151 | .70 | .036 | .024 | | .087 | .131 |
| .80 | .109 | | | .253 | .306 | .80 | .126 | | | .258 | .291 |
| .84 | | | -.232 | | | .84 | | | -.259 | | |
| .86 | | .210 | | | | .86 | | .221 | | | |
| .90 | | | | .321 | .359 | .90 | | | | .322 | .346 |
| .91 | .176 | | | | | .91 | .187 | | | | |
| .95 | .268 | .189 | .314 | .316 | .335 | .95 | .243 | .189 | .311 | .303 | .320 |

RUN = 528 POINT = 12

TABLE 101 CONTINUED

RUN = 528 POINT = 13

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 8.06 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|--------------------------|-------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.161 | -.063 | .291 | .652 | .737 | 0.00 | -.270 | -.235 | .150 | .564 | .700 |
| .05 | -.534 | -1.066 | -1.082 | -.904 | -.798 | .05 | -.685 | -1.161 | -1.227 | -1.050 | -.933 |
| .10 | -.550 | -1.025 | -1.131 | -.947 | -.850 | .10 | -.711 | -1.144 | -1.223 | -1.078 | -.979 |
| .20 | -.467 | -.651 | -1.084 | -.942 | -.841 | .20 | -.572 | -1.014 | -1.189 | -1.065 | -.972 |
| .30 | -.381 | -.623 | -1.037 | -.931 | -.833 | .30 | -.417 | -.932 | -1.155 | -1.054 | -.952 |
| .40 | -.364 | -.630 | -.914 | -.922 | -.840 | .40 | -.415 | -.828 | -1.032 | -1.041 | -.948 |
| .50 | -.398 | -.577 | -.660 | -.929 | -.841 | .50 | -.445 | -.735 | -.886 | -1.041 | -.948 |
| .60 | -.390 | -.575 | -.676 | -.931 | -.855 | .60 | -.449 | -.659 | -.841 | -1.003 | -.886 |
| .67 | | | -.628 | | | .67 | | | -.756 | | |
| .70 | -.372 | -.519 | | -.886 | -.821 | .70 | -.453 | -.612 | | -.981 | -.766 |
| .80 | -.316 | | | -.753 | -.783 | .80 | -.401 | | | -.701 | -.610 |
| .84 | | | .025 | | | .84 | | | .010 | | |
| .86 | | -.377 | | | | .86 | | -.474 | | | |
| .90 | | | | -.467 | -.603 | .90 | | | | -.544 | -.528 |
| .91 | -.320 | | | | | .91 | -.395 | | | | |
| .95 | -.316 | -.184 | -.195 | -.394 | -.402 | .95 | -.412 | -.265 | -.345 | -.491 | -.508 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .102 | .283 | .299 | .157 | .100 | .05 | .130 | .369 | .428 | .299 | .254 |
| .10 | .079 | .236 | .146 | .016 | -.054 | .10 | .128 | .320 | .258 | .143 | .081 |
| .20 | .027 | .102 | .028 | -.074 | -.112 | .20 | .097 | .193 | .129 | .036 | -.009 |
| .30 | .011 | .051 | -.047 | -.125 | -.138 | .30 | .087 | .131 | .049 | -.036 | -.059 |
| .40 | .020 | 0.000 | -.098 | -.165 | -.153 | .40 | .084 | .071 | -.001 | -.083 | -.095 |
| .50 | .046 | -.059 | -.112 | -.158 | -.176 | .50 | .106 | .018 | -.045 | -.112 | -.125 |
| .60 | .048 | -.054 | -.158 | -.141 | -.074 | .60 | .102 | .010 | -.100 | -.136 | -.069 |
| .67 | | | -.052 | | | .67 | | | -.032 | | |
| .70 | .063 | .042 | | .079 | .108 | .70 | .110 | .076 | | .066 | .100 |
| .80 | .146 | | | .249 | .281 | .80 | .182 | | | .242 | .273 |
| .84 | | | -.289 | | | .84 | | | -.358 | | |
| .86 | | .225 | | | | .86 | | .241 | | | |
| .90 | | | | .305 | .339 | .90 | | | | .295 | .327 |
| .91 | .200 | | | | | .91 | .225 | | | | |
| .95 | .236 | .182 | .302 | .290 | .310 | .95 | .234 | .190 | .296 | .269 | .297 |

| (K) ALPHA = 10.07 DEGREES | | | | | | (L) ALPHA = 12.04 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.383 | -.416 | -.024 | .443 | .644 | 0.00 | -.494 | -.575 | -.208 | .304 | .564 |
| .05 | -.863 | -1.164 | -1.242 | -1.173 | -1.087 | .05 | -1.065 | -1.169 | -1.251 | -1.267 | -.881 |
| .10 | -.906 | -1.168 | -1.269 | -1.185 | -1.111 | .10 | -1.085 | -1.178 | -1.255 | -1.198 | -.777 |
| .20 | -.656 | -1.133 | -1.167 | -1.156 | -1.092 | .20 | -.769 | -1.178 | -1.202 | -1.140 | -.689 |
| .30 | -.452 | -1.142 | -1.123 | -1.127 | -1.063 | .30 | -.435 | -1.248 | -1.165 | -.924 | -.672 |
| .40 | -.450 | -1.136 | -1.027 | -1.089 | -1.016 | .40 | -.451 | -1.276 | -1.142 | -.854 | -.612 |
| .50 | -.480 | -1.119 | -.961 | -.975 | -1.002 | .50 | -.494 | -1.300 | -1.138 | -.780 | -.619 |
| .60 | -.496 | -1.091 | -.861 | -.836 | -.782 | .60 | -.522 | -1.257 | -1.150 | -.698 | -.530 |
| .67 | | | -.802 | | | .67 | | | -1.120 | | |
| .70 | -.493 | -.938 | | -.676 | -.646 | .70 | -.525 | -1.274 | | -.642 | -.523 |
| .80 | -.454 | | | -.618 | -.556 | .80 | -.492 | | | -.616 | -.520 |
| .84 | | | .004 | | | .84 | | | 0.000 | | |
| .86 | | -.267 | | | | .86 | | -.871 | | | |
| .90 | | | | -.538 | -.524 | .90 | | | | -.602 | -.505 |
| .91 | -.441 | | | | | .91 | -.459 | | | | |
| .95 | -.431 | -.220 | -.579 | -.535 | -.496 | .95 | -.503 | -.436 | -.807 | -.589 | -.513 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .139 | .428 | .528 | .421 | .365 | .05 | .141 | .466 | .607 | .524 | .471 |
| .10 | .167 | .400 | .367 | .256 | .192 | .10 | .202 | .453 | .454 | .358 | .307 |
| .20 | .161 | .276 | .226 | .128 | .077 | .20 | .219 | .347 | .307 | .221 | .168 |
| .30 | .155 | .210 | .137 | .046 | .013 | .30 | .217 | .278 | .210 | .129 | .096 |
| .40 | .150 | .147 | .079 | -0.000 | -.052 | .40 | .208 | .210 | .145 | .073 | .028 |
| .50 | .167 | .087 | .019 | -.075 | -.086 | .50 | .221 | .146 | .078 | -.015 | -.024 |
| .60 | .155 | .068 | -.042 | -.126 | -.055 | .60 | .202 | .116 | .011 | -.063 | -.015 |
| .67 | | | -0.000 | | | .67 | | | .060 | | |
| .70 | .154 | .113 | | .058 | .099 | .70 | .197 | .154 | | .088 | .122 |
| .80 | .217 | | | .238 | .276 | .80 | .248 | | | .253 | .287 |
| .84 | | | -.396 | | | .84 | | | -.453 | | |
| .86 | | .268 | | | | .86 | | .293 | | | |
| .90 | | | | .292 | .333 | .90 | | | | .302 | .343 |
| .91 | .243 | | | | | .91 | .265 | | | | |
| .95 | .239 | .206 | .285 | .254 | .297 | .95 | .247 | .208 | .302 | .256 | .302 |

RUN = 528 POINT = 16

TABLE 101 CONCLUDED

| | (M) ALPHA = .30 DEGREES | | | | |
|------|-------------------------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .010 | .276 | .611 | .773 | .695 |
| .05 | -.161 | -.248 | -.275 | -.363 | -.171 |
| .10 | -.208 | -.235 | -.397 | -.374 | -.200 |
| .20 | -.258 | -.295 | -.369 | -.308 | -.212 |
| .30 | -.215 | -.337 | -.395 | -.247 | -.219 |
| .40 | -.197 | -.290 | -.224 | -.214 | -.262 |
| .50 | -.213 | -.237 | -.201 | -.283 | -.257 |
| .60 | -.160 | -.169 | -.218 | -.323 | -.315 |
| .67 | | | -.226 | | |
| .70 | -.099 | -.173 | | -.357 | -.356 |
| .80 | -.067 | | | -.478 | -.490 |
| .84 | | | .028 | | |
| .86 | | -.209 | | | |
| .90 | | | | -.213 | -.281 |
| .91 | -.078 | | | | |
| .95 | -.080 | -.100 | -.096 | -.039 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.036 | -.169 | -.345 | -.507 | -.584 |
| .10 | -.097 | -.182 | -.390 | -.598 | -.719 |
| .20 | -.195 | -.235 | -.397 | -.563 | -.714 |
| .30 | -.258 | -.258 | -.411 | -.544 | -.699 |
| .40 | -.189 | -.275 | -.429 | -.587 | -.675 |
| .50 | -.147 | -.373 | -.511 | -.648 | -.610 |
| .60 | -.130 | -.328 | -.329 | -.136 | -.018 |
| .67 | | | -.075 | | |
| .70 | -.113 | -.066 | | .065 | .150 |
| .80 | .015 | | | .211 | .293 |
| .84 | | | -.254 | | |
| .86 | | .150 | | | |
| .90 | | | | .293 | .361 |
| .91 | .123 | | | | |
| .95 | .204 | .188 | .323 | .300 | .344 |

RUN = 535 POINT = 1

TABLE 102

WING PRESSURE COEFFICIENTS

RUN = 535 POINT = 2

| (A) ALPHA = -.66 DEGREES | | | | | | (B) ALPHA = .32 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .280 | .570 | .683 | .529 | 0.00 | -.019 | .237 | .524 | .700 | .603 |
| .05 | -.134 | -.199 | -.189 | -.183 | -.050 | .05 | -.199 | -.330 | -.390 | -.367 | -.221 |
| .10 | -.193 | -.191 | -.289 | -.193 | -.107 | .10 | -.261 | -.322 | -.436 | -.349 | -.227 |
| .20 | -.716 | -.232 | -.229 | -.197 | -.137 | .20 | -.593 | -.318 | -.336 | -.303 | -.227 |
| .30 | -.185 | -.249 | -.241 | -.201 | -.162 | .30 | -.242 | -.320 | -.309 | -.291 | -.240 |
| .40 | -.185 | -.212 | -.183 | -.195 | -.186 | .40 | -.238 | -.280 | -.251 | -.269 | -.253 |
| .50 | -.179 | -.196 | -.194 | -.213 | -.186 | .50 | -.232 | -.249 | -.243 | -.275 | -.248 |
| .60 | -.140 | -.158 | -.206 | -.239 | -.213 | .60 | -.191 | -.206 | -.260 | -.287 | -.268 |
| .67 | | | -.202 | | | .67 | | | -.239 | | |
| .70 | -.095 | -.167 | | -.261 | -.247 | .70 | -.134 | -.208 | | -.317 | -.301 |
| .80 | -.076 | | | -.295 | -.280 | .80 | -.115 | | | -.345 | -.325 |
| .84 | | | -.032 | | | .84 | | | -.053 | | |
| .86 | | -.148 | | | | .86 | | -.183 | | | |
| .90 | | | | -.243 | -.255 | .90 | | | | -.287 | -.286 |
| .91 | -.072 | | | | | .91 | -.095 | | | | |
| .95 | -.066 | -.107 | -.123 | -.131 | -.149 | .95 | -.086 | -.127 | -.150 | -.167 | -.183 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.097 | -.291 | -.590 | -.824 | -1.010 | .05 | -.074 | -.191 | -.426 | -.536 | -.700 |
| .10 | -.175 | -.305 | -.508 | -.741 | -.925 | .10 | -.138 | -.218 | -.410 | -.528 | -.678 |
| .20 | -.226 | -.320 | -.442 | -.492 | -.405 | .20 | -.199 | -.270 | -.353 | -.436 | -.407 |
| .30 | -.251 | -.305 | -.379 | -.377 | -.350 | .30 | -.226 | -.251 | -.341 | -.359 | -.306 |
| .40 | -.240 | -.301 | -.321 | -.357 | -.338 | .40 | -.218 | -.268 | -.297 | -.305 | -.312 |
| .50 | -.187 | -.278 | -.287 | -.267 | -.257 | .50 | -.172 | -.253 | -.277 | -.255 | -.246 |
| .60 | -.156 | -.198 | -.231 | -.186 | -.131 | .60 | -.142 | -.185 | -.229 | -.192 | -.135 |
| .67 | | | -.097 | | | .67 | | | -.101 | | |
| .70 | -.086 | -.047 | | .040 | .040 | .70 | -.086 | -.048 | | .029 | .038 |
| .80 | .027 | | | .158 | .137 | .80 | .030 | | | .190 | .156 |
| .84 | | | -.185 | | | .84 | | | -.159 | | |
| .86 | | .149 | | | | .86 | | .154 | | | |
| .90 | | | | .211 | .172 | .90 | | | | .253 | .211 |
| .91 | .107 | | | | | .91 | .108 | | | | |
| .95 | -.019 | .170 | .271 | .228 | .187 | .95 | .009 | .158 | .273 | .253 | .215 |

RUN = 535 POINT = 3

TABLE 102 CONTINUED

RUN = 535 POINT = 4

| (C) ALPHA = 1.12 DEGREES | | | | | | (D) ALPHA = 2.01 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.037 | .178 | .460 | .693 | .650 | 0.00 | -.073 | .102 | .385 | .655 | .668 |
| .05 | -.252 | -.438 | -.551 | -.541 | -.387 | .05 | -.313 | -.576 | -.783 | -.835 | -.604 |
| .10 | -.307 | -.412 | -.557 | -.475 | -.353 | .10 | -.360 | -.522 | -.754 | -.628 | -.482 |
| .20 | -.514 | -.387 | -.398 | -.377 | -.313 | .20 | -.479 | -.467 | -.484 | -.431 | -.418 |
| .30 | -.280 | -.389 | -.369 | -.338 | -.309 | .30 | -.329 | -.462 | -.431 | -.396 | -.364 |
| .40 | -.276 | -.331 | -.294 | -.312 | -.304 | .40 | -.323 | -.385 | -.341 | -.382 | -.361 |
| .50 | -.274 | -.292 | -.286 | -.314 | -.308 | .50 | -.323 | -.331 | -.331 | -.368 | -.362 |
| .60 | -.219 | -.236 | -.294 | -.326 | -.304 | .60 | -.266 | -.269 | -.333 | -.368 | -.340 |
| .67 | | | -.267 | | | .67 | | | -.300 | | |
| .70 | -.164 | -.234 | | -.344 | -.336 | .70 | -.202 | -.267 | | -.376 | -.362 |
| .80 | -.133 | | | -.368 | -.355 | .80 | -.159 | | | -.388 | -.380 |
| .84 | | | -.062 | | | .84 | | | -.076 | | |
| .86 | | -.193 | | | | .86 | | -.215 | | | |
| .90 | | | | -.296 | -.313 | .90 | | | | -.296 | -.326 |
| .91 | -.110 | | | | | .91 | -.134 | | | | |
| .95 | -.100 | -.129 | -.158 | -.168 | -.201 | .95 | -.122 | -.138 | -.170 | -.174 | -.212 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.049 | -.093 | -.264 | -.389 | -.418 | .05 | -.036 | -.022 | -.134 | -.248 | -.286 |
| .10 | -.121 | -.143 | -.306 | -.405 | -.469 | .10 | -.100 | -.076 | -.212 | -.308 | -.362 |
| .20 | -.176 | -.205 | -.290 | -.356 | -.374 | .20 | -.155 | -.163 | -.262 | -.298 | -.315 |
| .30 | -.213 | -.218 | -.294 | -.330 | -.283 | .30 | -.184 | -.174 | -.258 | -.284 | -.273 |
| .40 | -.194 | -.234 | -.266 | -.282 | -.270 | .40 | -.178 | -.213 | -.242 | -.260 | -.250 |
| .50 | -.151 | -.239 | -.254 | -.234 | -.226 | .50 | -.141 | -.209 | -.234 | -.224 | -.210 |
| .60 | -.121 | -.170 | -.218 | -.188 | -.131 | .60 | -.114 | -.161 | -.210 | -.182 | -.131 |
| .67 | | | -.098 | | | .67 | | | -.098 | | |
| .70 | -.073 | -.048 | | .037 | .041 | .70 | -.067 | -.043 | | .036 | .036 |
| .80 | .036 | | | .204 | .187 | .80 | .039 | | | .203 | .195 |
| .84 | | | -.156 | | | .84 | | | -.174 | | |
| .86 | | .156 | | | | .86 | | .157 | | | |
| .90 | | | | .265 | .250 | .90 | | | | .264 | .254 |
| .91 | .112 | | | | | .91 | .105 | | | | |
| .95 | .034 | .156 | .277 | .244 | .244 | .95 | .045 | .146 | .266 | .237 | .241 |

RUN = 535 POINT = 5

TABLE 102 CONTINUED

RUN = 535 POINT = 6

| (E) ALPHA = 2.86 DEGREES | | | | | | (F) ALPHA = 3.40 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.111 | .002 | .287 | .598 | .666 | 0.00 | -.147 | -.069 | .214 | .539 | .644 |
| .05 | -.374 | -.724 | -1.053 | -1.099 | -.873 | .05 | -.424 | -.824 | -1.241 | -1.254 | -1.053 |
| .10 | -.427 | -.646 | -.973 | -.944 | -.725 | .10 | -.477 | -.752 | -1.129 | -1.126 | -.935 |
| .20 | -.476 | -.560 | -.564 | -.476 | -.459 | .20 | -.489 | -.635 | -.771 | -.463 | -.479 |
| .30 | -.376 | -.523 | -.486 | -.456 | -.409 | .30 | -.414 | -.592 | -.520 | -.473 | -.460 |
| .40 | -.365 | -.446 | -.382 | -.428 | -.409 | .40 | -.412 | -.497 | -.414 | -.459 | -.443 |
| .50 | -.365 | -.374 | -.365 | -.416 | -.405 | .50 | -.399 | -.408 | -.395 | -.441 | -.444 |
| .60 | -.310 | -.303 | -.365 | -.408 | -.388 | .60 | -.348 | -.333 | -.391 | -.431 | -.414 |
| .67 | | | -.326 | | | .67 | | | -.350 | | |
| .70 | -.232 | -.297 | | -.406 | -.392 | .70 | -.266 | -.317 | | -.431 | -.420 |
| .80 | -.191 | | | -.398 | -.388 | .80 | -.213 | | | -.419 | -.406 |
| .84 | | | -.092 | | | .84 | | | -.104 | | |
| .86 | | -.229 | | | | .86 | | -.244 | | | |
| .90 | | | | -.299 | -.318 | .90 | | | | -.308 | -.332 |
| .91 | -.154 | | | | | .91 | -.176 | | | | |
| .95 | -.134 | -.140 | -.175 | -.179 | -.200 | .95 | -.159 | -.147 | -.182 | -.186 | -.205 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.025 | .033 | -.041 | -.137 | -.153 | .05 | -.026 | .048 | .027 | -.074 | -.080 |
| .10 | -.079 | -.020 | -.143 | -.229 | -.261 | .10 | -.075 | -0.000 | -.106 | -.188 | -.201 |
| .20 | -.136 | -.121 | -.199 | -.239 | -.238 | .20 | -.137 | -.106 | -.184 | -.218 | -.226 |
| .30 | -.165 | -.159 | -.211 | -.237 | -.238 | .30 | -.162 | -.143 | -.210 | -.228 | -.211 |
| .40 | -.161 | -.181 | -.217 | -.227 | -.227 | .40 | -.157 | -.174 | -.208 | -.216 | -.215 |
| .50 | -.128 | -.196 | -.221 | -.205 | -.202 | .50 | -.125 | -.180 | -.218 | -.206 | -.198 |
| .60 | -.107 | -.156 | -.201 | -.183 | -.130 | .60 | -.114 | -.153 | -.196 | -.179 | -.137 |
| .67 | | | -.101 | | | .67 | | | -.108 | | |
| .70 | -.058 | -.041 | | .030 | .026 | .70 | -.069 | -.052 | | .020 | .014 |
| .80 | .039 | | | .195 | .184 | .80 | .032 | | | .189 | .170 |
| .84 | | | -.187 | | | .84 | | | -.200 | | |
| .86 | | .153 | | | | .86 | | .142 | | | |
| .90 | | | | .258 | .233 | .90 | | | | .248 | .221 |
| .91 | .103 | | | | | .91 | .094 | | | | |
| .95 | .054 | .138 | .256 | .243 | .226 | .95 | .055 | .123 | .239 | .225 | .206 |

RUN = 535 POINT = 7

TABLE 102 CONTINUED

RUN = 535 POINT = 8

| (G) ALPHA = 3.82 DEGREES | | | | | | (H) ALPHA = 4.85 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.187 | -.148 | .155 | .492 | .613 | 0.00 | -.252 | -.280 | .032 | .411 | .561 |
| .05 | -.474 | -.894 | -1.390 | -1.319 | -1.202 | .05 | -.571 | -1.211 | -1.580 | -1.483 | -1.378 |
| .10 | -.521 | -.818 | -1.293 | -1.225 | -1.067 | .10 | -.608 | -1.004 | -1.508 | -1.467 | -1.325 |
| .20 | -.511 | -.689 | -.825 | -.958 | -.472 | .20 | -.553 | -.819 | -1.120 | -1.350 | -1.205 |
| .30 | -.445 | -.663 | -.537 | -.476 | -.483 | .30 | -.518 | -.779 | -.718 | -.579 | -.454 |
| .40 | -.439 | -.558 | -.438 | -.470 | -.472 | .40 | -.510 | -.663 | -.474 | -.453 | -.473 |
| .50 | -.437 | -.444 | -.415 | -.460 | -.476 | .50 | -.514 | -.520 | -.435 | -.453 | -.462 |
| .60 | -.380 | -.365 | -.415 | -.452 | -.443 | .60 | -.436 | -.412 | -.431 | -.455 | -.462 |
| .67 | | | -.367 | | | .67 | | | -.379 | | |
| .70 | -.300 | -.338 | | -.448 | -.440 | .70 | -.356 | -.368 | | -.459 | -.452 |
| .80 | -.242 | | | -.438 | -.424 | .80 | -.290 | | | -.447 | -.439 |
| .84 | | | -.123 | | | .84 | | | -.143 | | |
| .86 | | -.258 | | | | .86 | | -.271 | | | |
| .90 | | | | -.327 | -.341 | .90 | | | | -.340 | -.365 |
| .91 | -.197 | | | | | .91 | -.231 | | | | |
| .95 | -.181 | -.165 | -.198 | -.215 | -.217 | .95 | -.217 | -.174 | -.213 | -.232 | -.243 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.035 | .074 | .052 | -.053 | -.045 | .05 | -.041 | .117 | .125 | .047 | .037 |
| .10 | -.078 | .016 | -.087 | -.169 | -.187 | .10 | -.069 | .057 | -.032 | -.094 | -.112 |
| .20 | -.144 | -.103 | -.167 | -.201 | -.212 | .20 | -.127 | -.064 | -.122 | -.170 | -.165 |
| .30 | -.158 | -.144 | -.207 | -.227 | -.208 | .30 | -.149 | -.114 | -.176 | -.194 | -.182 |
| .40 | -.160 | -.175 | -.223 | -.221 | -.219 | .40 | -.145 | -.157 | -.202 | -.190 | -.190 |
| .50 | -.130 | -.189 | -.217 | -.211 | -.206 | .50 | -.118 | -.174 | -.202 | -.208 | -.190 |
| .60 | -.111 | -.167 | -.213 | -.185 | -.143 | .60 | -.108 | -.164 | -.198 | -.186 | -.143 |
| .67 | | | -.117 | | | .67 | | | -.122 | | |
| .70 | -.076 | -.053 | | .004 | .002 | .70 | -.079 | -.060 | | -.002 | -.006 |
| .80 | .021 | | | .172 | .157 | .80 | .014 | | | .162 | .147 |
| .84 | | | -.221 | | | .84 | | | -.238 | | |
| .86 | | .126 | | | | .86 | | .115 | | | |
| .90 | | | | .231 | .209 | .90 | | | | .221 | .194 |
| .91 | .078 | | | | | .91 | .071 | | | | |
| .95 | .048 | .110 | .224 | .212 | .195 | .95 | .038 | .088 | .203 | .189 | .177 |

RUN = 535 POINT = 9

TABLE 102

CONTINUED

RUN = 535 POINT = 10

| (I) ALPHA = 5.89 DEGREES | | | | | | (J) ALPHA = 7.79 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.330 | -.428 | -.094 | .320 | .502 | 0.00 | -.465 | -.645 | -.302 | .170 | .398 |
| .05 | -.668 | -1.460 | -1.723 | -1.595 | -1.501 | .05 | -.891 | -1.685 | -1.581 | -1.095 | -1.611 |
| .10 | -.697 | -1.321 | -1.690 | -1.609 | -1.515 | .10 | -.864 | -1.668 | -1.529 | -1.036 | -1.548 |
| .20 | -.609 | -.926 | -1.617 | -1.473 | -1.399 | .20 | -.704 | -1.302 | -1.366 | -.920 | -1.104 |
| .30 | -.580 | -.864 | -.936 | -1.129 | -1.106 | .30 | -.667 | -1.012 | -1.209 | -.822 | -.821 |
| .40 | -.564 | -.785 | -.531 | -.624 | -.466 | .40 | -.661 | -.724 | -1.078 | -.764 | -.695 |
| .50 | -.580 | -.591 | -.454 | -.485 | -.456 | .50 | -.673 | -.575 | -.975 | -.691 | -.689 |
| .60 | -.514 | -.454 | -.444 | -.449 | -.432 | .60 | -.585 | -.509 | -.882 | -.627 | -.560 |
| .67 | | | -.394 | | | .67 | | | -.733 | | |
| .70 | -.420 | -.394 | | -.431 | -.432 | .70 | -.481 | -.455 | | -.567 | -.490 |
| .80 | -.340 | | | -.405 | -.430 | .80 | -.416 | | | -.505 | -.435 |
| .84 | | | -.162 | | | .84 | | | -.228 | | |
| .86 | | -.278 | | | | .86 | | -.327 | | | |
| .90 | | | | -.315 | -.365 | .90 | | | | -.463 | -.374 |
| .91 | -.273 | | | | | .91 | -.340 | | | | |
| .95 | -.252 | -.191 | -.222 | -.239 | -.265 | .95 | -.313 | -.238 | -.420 | -.445 | -.319 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.042 | .145 | .188 | .098 | .036 | .05 | -.055 | .186 | .274 | .196 | .159 |
| .10 | -.068 | .091 | .036 | -.041 | -.083 | .10 | -.049 | .137 | .106 | .024 | -.006 |
| .20 | -.109 | -.032 | -.085 | -.125 | -.141 | .20 | -.080 | .011 | -.029 | -.095 | -.111 |
| .30 | -.132 | -.088 | -.151 | -.171 | -.172 | .30 | -.098 | -.052 | -.111 | -.159 | -.164 |
| .40 | -.136 | -.142 | -.183 | -.177 | -.193 | .40 | -.104 | -.110 | -.141 | -.181 | -.204 |
| .50 | -.109 | -.164 | -.189 | -.189 | -.191 | .50 | -.088 | -.137 | -.185 | -.229 | -.224 |
| .60 | -.103 | -.148 | -.203 | -.185 | -.157 | .60 | -.088 | -.147 | -.211 | -.243 | -.200 |
| .67 | | | -.127 | | | .67 | | | -.145 | | |
| .70 | -.076 | -.063 | | -.009 | -.018 | .70 | -.070 | -.073 | | -.094 | -.080 |
| .80 | .009 | | | .150 | .095 | .80 | .003 | | | .068 | .084 |
| .84 | | | -.245 | | | .84 | | | -.306 | | |
| .86 | | .105 | | | | .86 | | .083 | | | |
| .90 | | | | .205 | .066 | .90 | | | | .120 | .129 |
| .91 | .062 | | | | | .91 | .050 | | | | |
| .95 | .031 | .066 | .188 | .169 | .121 | .95 | .019 | .036 | .130 | .091 | .104 |

RUN = 535 POINT = 11

TABLE 102 CONTINUED

RUN = 535 POINT = 12

| (K) ALPHA = 10.61 DEGREES | | | | | | (L) ALPHA = 11.59 DEGREES | | | | | |
|---------------------------|--------|--------|--------|-------|-------|---------------------------|--------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.706 | -.999 | -.592 | -.015 | .340 | 0.00 | -.820 | -1.129 | -.678 | -.090 | .279 |
| .05 | -1.193 | -1.787 | -1.109 | -.908 | -.707 | .05 | -1.342 | -1.778 | -1.222 | -.885 | -.685 |
| .10 | -1.103 | -1.799 | -1.097 | -.868 | -.686 | .10 | -1.178 | -1.675 | -1.156 | -.871 | -.668 |
| .20 | -.841 | -1.746 | -1.107 | -.840 | -.657 | .20 | -.959 | -1.508 | -1.141 | -.847 | -.672 |
| .30 | -.790 | -1.507 | -1.095 | -.822 | -.631 | .30 | -.836 | -1.390 | -1.114 | -.835 | -.653 |
| .40 | -.800 | -1.289 | -1.055 | -.798 | -.612 | .40 | -.824 | -1.323 | -1.071 | -.811 | -.632 |
| .50 | -.755 | -1.169 | -1.014 | -.766 | -.606 | .50 | -.728 | -1.247 | -1.028 | -.789 | -.626 |
| .60 | -.612 | -.983 | -.981 | -.734 | -.581 | .60 | -.677 | -1.127 | -.994 | -.769 | -.607 |
| .67 | | | -.933 | | | .67 | | | -.957 | | |
| .70 | -.624 | -.805 | | -.701 | -.564 | .70 | -.644 | -.986 | | -.753 | -.603 |
| .80 | -.594 | | | -.679 | -.557 | .80 | -.603 | | | -.725 | -.600 |
| .84 | | | -.329 | | | .84 | | | -.355 | | |
| .86 | | -.573 | | | | .86 | | -.779 | | | |
| .90 | | | | -.657 | -.551 | .90 | | | | -.703 | -.596 |
| .91 | -.489 | | | | | .91 | -.556 | | | | |
| .95 | -.432 | -.499 | -.801 | -.639 | -.545 | .95 | -.519 | -.674 | -.835 | -.687 | -.588 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.088 | .220 | .364 | .278 | .211 | .05 | -.122 | .201 | .367 | .295 | .219 |
| .10 | -.031 | .199 | .210 | .108 | .042 | .10 | -.049 | .193 | .209 | .123 | .052 |
| .20 | -.025 | .091 | .054 | -.035 | -.078 | .20 | -.032 | .090 | .059 | -.028 | -.074 |
| .30 | -.041 | .011 | -.037 | -.119 | -.147 | .30 | -.036 | .026 | +.044 | -.122 | -.152 |
| .40 | -.053 | -.048 | -.101 | -.171 | -.217 | .40 | -.051 | -.056 | -.102 | -.176 | -.220 |
| .50 | -.047 | -.106 | -.171 | -.251 | -.257 | .50 | -.047 | -.110 | -.178 | -.256 | -.264 |
| .60 | -.055 | -.129 | -.221 | -.285 | -.260 | .60 | -.059 | -.132 | -.242 | -.296 | -.273 |
| .67 | | | -.185 | | | .67 | | | -.210 | | |
| .70 | -.051 | -.081 | | -.143 | -.156 | .70 | -.065 | -.099 | | -.163 | -.176 |
| .80 | .005 | | | .017 | .002 | .80 | -.012 | | | -.006 | -.025 |
| .84 | | | -.541 | | | .84 | | | -.638 | | |
| .86 | | .052 | | | | .86 | | .022 | | | |
| .90 | | | | .059 | .038 | .90 | | | | .039 | .016 |
| .91 | .028 | | | | | .91 | .006 | | | | |
| .95 | .007 | -.032 | .026 | .019 | -.001 | .95 | -.010 | -.079 | -.002 | -0.000 | -.027 |

RUN = 535 POINT = 13

TABLE 102 CONCLUDED

| | (M) ALPHA = .29 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.206 | .038 | .335 | .508 | .413 |
| .05 | -.381 | -.526 | -.574 | -.537 | -.403 |
| .10 | -.445 | -.496 | -.596 | -.505 | -.424 |
| .20 | -.808 | -.510 | -.514 | -.489 | -.420 |
| .30 | -.424 | -.499 | -.497 | -.477 | -.432 |
| .40 | -.418 | -.454 | -.435 | -.455 | -.445 |
| .50 | -.418 | -.429 | -.435 | -.463 | -.447 |
| .60 | -.375 | -.390 | -.450 | -.473 | -.451 |
| .67 | | | -.431 | | |
| .70 | -.326 | -.392 | | -.499 | -.483 |
| .80 | -.304 | | | -.531 | -.515 |
| .84 | | | -.239 | | |
| .86 | | -.365 | | | |
| .90 | | | | -.479 | -.477 |
| .91 | -.289 | | | | |
| .95 | -.287 | -.309 | -.346 | -.357 | -.367 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.273 | -.379 | -.599 | -.772 | -.917 |
| .10 | -.334 | -.408 | -.621 | -.745 | -.836 |
| .20 | -.392 | -.448 | -.547 | -.643 | -.602 |
| .30 | -.418 | -.450 | -.527 | -.547 | -.506 |
| .40 | -.410 | -.448 | -.497 | -.503 | -.502 |
| .50 | -.367 | -.448 | -.465 | -.449 | -.443 |
| .60 | -.334 | -.379 | -.415 | -.381 | -.331 |
| .67 | | | -.289 | | |
| .70 | -.279 | -.233 | | -.159 | -.154 |
| .80 | -.165 | | | .002 | -.036 |
| .84 | | | -.493 | | |
| .86 | | -.037 | | | |
| .90 | | | | .067 | .012 |
| .91 | -.085 | | | | |
| .95 | -.044 | -.031 | .089 | .067 | .018 |

RUN = 534 POINT = 1

TABLE 103

WING PRESSURE COEFFICIENTS

RUN = 534 POINT = 2

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .296 | .608 | .733 | .603 | 0.00 | -.005 | .269 | .578 | .742 | .664 |
| .05 | -.123 | -.155 | -.144 | -.184 | -.041 | .05 | -.174 | -.258 | -.308 | -.353 | -.197 |
| .10 | -.181 | -.171 | -.260 | -.193 | -.099 | .10 | -.225 | -.262 | -.412 | -.331 | -.214 |
| .20 | -.443 | -.213 | -.211 | -.202 | -.146 | .20 | -.382 | -.281 | -.372 | -.304 | -.233 |
| .30 | -.179 | -.237 | -.239 | -.211 | -.177 | .30 | -.215 | -.327 | -.300 | -.307 | -.244 |
| .40 | -.171 | -.207 | -.165 | -.206 | -.201 | .40 | -.219 | -.289 | -.200 | -.251 | -.272 |
| .50 | -.171 | -.182 | -.182 | -.241 | -.205 | .50 | -.223 | -.221 | -.217 | -.280 | -.277 |
| .60 | -.130 | -.140 | -.216 | -.272 | -.253 | .60 | -.174 | -.181 | -.257 | -.324 | -.280 |
| .67 | | | -.197 | | | .67 | | | -.221 | | |
| .70 | -.081 | -.161 | | -.272 | -.290 | .70 | -.114 | -.196 | | -.368 | -.317 |
| .80 | -.063 | | | -.355 | -.429 | .80 | -.084 | | | -.355 | -.466 |
| .84 | | | -.015 | | | .84 | | | -.022 | | |
| .86 | | -.167 | | | | .86 | | -.185 | | | |
| .90 | | | | -.250 | -.241 | .90 | | | | -.265 | -.204 |
| .91 | -.065 | | | | | .91 | -.084 | | | | |
| .95 | -.068 | -.091 | -.101 | -.096 | -.118 | .95 | -.075 | -.092 | -.103 | -.102 | -.098 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.087 | -.300 | -.606 | -.711 | -.786 | .05 | -.052 | -.166 | -.386 | -.546 | -.673 |
| .10 | -.155 | -.305 | -.557 | -.814 | -.920 | .10 | -.120 | -.200 | -.410 | -.649 | -.791 |
| .20 | -.224 | -.315 | -.516 | -.737 | -.899 | .20 | -.193 | -.249 | -.408 | -.568 | -.741 |
| .30 | -.271 | -.319 | -.513 | -.667 | -.859 | .30 | -.225 | -.255 | -.423 | -.529 | -.636 |
| .40 | -.246 | -.351 | -.513 | -.674 | -.791 | .40 | -.208 | -.285 | -.408 | -.493 | -.214 |
| .50 | -.192 | -.404 | -.437 | -.235 | -.092 | .50 | -.157 | -.338 | -.326 | -.225 | -.202 |
| .60 | -.181 | -.284 | -.270 | -.147 | -.041 | .60 | -.140 | -.217 | -.260 | -.167 | -.087 |
| .67 | | | -.081 | | | .67 | | | -.078 | | |
| .70 | -.134 | -.051 | | .083 | .097 | .70 | -.095 | -.035 | | .080 | .092 |
| .80 | .004 | | | .209 | .228 | .80 | .033 | | | .238 | .227 |
| .84 | | | -.171 | | | .84 | | | -.148 | | |
| .86 | | .146 | | | | .86 | | .170 | | | |
| .90 | | | | .279 | .284 | .90 | | | | .298 | .277 |
| .91 | .107 | | | | | .91 | .128 | | | | |
| .95 | .122 | .175 | .302 | .293 | .274 | .95 | .123 | .185 | .312 | .300 | .277 |

| (C) ALPHA = 1.16 DEGREES | | | | | | (D) ALPHA = 1.97 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.020 | .226 | .540 | .744 | .700 | 0.00 | -.037 | .181 | .491 | .733 | .716 |
| .05 | -.213 | -.369 | -.467 | -.599 | -.346 | .05 | -.259 | -.463 | -.687 | -.686 | -.608 |
| .10 | -.264 | -.350 | -.538 | -.599 | -.346 | .10 | -.321 | -.463 | -.680 | -.752 | -.617 |
| .20 | -.348 | -.369 | -.474 | -.412 | -.322 | .20 | -.342 | -.435 | -.564 | -.670 | -.493 |
| .30 | -.251 | -.389 | -.478 | -.278 | -.319 | .30 | -.280 | -.470 | -.596 | -.585 | -.174 |
| .40 | -.251 | -.349 | -.241 | -.309 | -.324 | .40 | -.289 | -.453 | -.364 | -.200 | -.304 |
| .50 | -.266 | -.294 | -.249 | -.329 | -.331 | .50 | -.316 | -.364 | -.311 | -.235 | -.308 |
| .60 | -.215 | -.211 | -.277 | -.361 | -.365 | .60 | -.278 | -.277 | -.294 | -.332 | -.412 |
| .67 | | | -.264 | | | .67 | | | -.262 | | |
| .70 | -.146 | -.211 | | -.421 | -.376 | .70 | -.194 | -.243 | | -.386 | -.452 |
| .80 | -.108 | | | -.419 | -.428 | .80 | -.138 | | | -.450 | -.558 |
| .84 | | | -.028 | | | .84 | | | -.025 | | |
| .86 | | -.190 | | | | .86 | | -.182 | | | |
| .90 | | | | -.230 | -.223 | .90 | | | | -.259 | -.196 |
| .91 | -.095 | | | | | .91 | -.108 | | | | |
| .95 | -.086 | -.092 | -.109 | -.085 | -.112 | .95 | -.091 | -.080 | -.105 | -.098 | -.077 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.022 | -.090 | -.245 | -.388 | -.530 | .05 | -.003 | .004 | -.118 | -.259 | -.288 |
| .10 | -.090 | -.122 | -.293 | -.489 | -.638 | .10 | -.061 | -.046 | -.195 | -.343 | -.446 |
| .20 | -.163 | -.194 | -.331 | -.436 | -.517 | .20 | -.134 | -.137 | -.246 | -.343 | -.361 |
| .30 | -.196 | -.194 | -.346 | -.399 | -.383 | .30 | -.153 | -.152 | -.255 | -.325 | -.301 |
| .40 | -.174 | -.226 | -.318 | -.439 | -.265 | .40 | -.149 | -.192 | -.265 | -.307 | -.252 |
| .50 | -.135 | -.249 | -.285 | -.223 | -.213 | .50 | -.104 | -.214 | -.241 | -.210 | -.198 |
| .60 | -.112 | -.177 | -.243 | -.171 | -.100 | .60 | -.082 | -.154 | -.215 | -.160 | -.094 |
| .67 | | | -.073 | | | .67 | | | -.061 | | |
| .70 | -.071 | -.028 | | .087 | .090 | .70 | -.046 | -.010 | | .087 | .094 |
| .80 | .053 | | | .239 | .218 | .80 | .071 | | | .250 | .236 |
| .84 | | | -.144 | | | .84 | | | -.144 | | |
| .86 | | .181 | | | | .86 | | .191 | | | |
| .90 | | | | .298 | .281 | .90 | | | | .304 | .302 |
| .91 | .141 | | | | | .91 | .149 | | | | |
| .95 | .126 | .191 | .318 | .298 | .286 | .95 | .133 | .199 | .322 | .295 | .295 |

RUN = 534 POINT = 5

TABLE 103

CONTINUED

RUN = 534 POINT = 6

| (E) ALPHA = 3.00 DEGREES | | | | | | (F) ALPHA = 3.52 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.065 | .108 | .423 | .702 | .723 | 0.00 | -.084 | .061 | .402 | .685 | .721 |
| .05 | -.334 | -.646 | -.884 | -.804 | -.720 | .05 | -.371 | -.741 | -.956 | -.854 | -.769 |
| .10 | -.390 | -.584 | -.861 | -.861 | -.763 | .10 | -.431 | -.672 | -.954 | -.914 | -.817 |
| .20 | -.358 | -.504 | -.724 | -.826 | -.740 | .20 | -.383 | -.554 | -.822 | -.881 | -.798 |
| .30 | -.326 | -.542 | -.682 | -.795 | -.716 | .30 | -.347 | -.571 | -.728 | -.867 | -.782 |
| .40 | -.322 | -.544 | -.550 | -.745 | -.702 | .40 | -.345 | -.575 | -.626 | -.826 | -.772 |
| .50 | -.362 | -.456 | -.478 | -.645 | -.695 | .50 | -.373 | -.497 | -.575 | -.790 | -.767 |
| .60 | -.328 | -.376 | -.378 | -.281 | -.321 | .60 | -.366 | -.437 | -.437 | -.616 | -.722 |
| .67 | | | -.320 | | | .67 | | | -.365 | | |
| .70 | -.253 | -.314 | | -.303 | -.233 | .70 | -.300 | -.363 | | -.281 | -.360 |
| .80 | -.188 | | | -.363 | -.434 | .80 | -.233 | | | -.325 | -.211 |
| .84 | | | -.023 | | | .84 | | | -.027 | | |
| .86 | | -.187 | | | | .86 | | -.195 | | | |
| .90 | | | | -.253 | -.243 | .90 | | | | -.228 | -.205 |
| .91 | -.138 | | | | | .91 | -.158 | | | | |
| .95 | -.113 | -.068 | -.087 | -.101 | -.132 | .95 | -.127 | -.071 | -.084 | -.100 | -.122 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .024 | .081 | .009 | -.118 | -.125 | .05 | .033 | .115 | .067 | -.060 | -.086 |
| .10 | -.027 | .034 | -.088 | -.224 | -.281 | .10 | -.015 | .066 | -.065 | -.177 | -.226 |
| .20 | -.098 | -.076 | -.180 | -.249 | -.250 | .20 | -.082 | -.046 | -.144 | -.208 | -.224 |
| .30 | -.121 | -.097 | -.195 | -.246 | -.229 | .30 | -.104 | -.075 | -.173 | -.219 | -.195 |
| .40 | -.111 | -.139 | -.196 | -.244 | -.198 | .40 | -.093 | -.116 | -.180 | -.221 | -.179 |
| .50 | -.068 | -.155 | -.200 | -.176 | -.155 | .50 | -.063 | -.148 | -.182 | -.162 | -.134 |
| .60 | -.055 | -.121 | -.185 | -.134 | -.064 | .60 | -.048 | -.112 | -.175 | -.126 | -.056 |
| .67 | | | -.050 | | | .67 | | | -.050 | | |
| .70 | -.018 | .002 | | .102 | .108 | .70 | -.011 | .009 | | .102 | .117 |
| .80 | .089 | | | .260 | .262 | .80 | .096 | | | .270 | .268 |
| .84 | | | -.145 | | | .84 | | | -.157 | | |
| .86 | | .210 | | | | .86 | | .204 | | | |
| .90 | | | | .317 | .320 | .90 | | | | .325 | .322 |
| .91 | .164 | | | | | .91 | .164 | | | | |
| .95 | .140 | .196 | .323 | .310 | .313 | .95 | .145 | .190 | .313 | .308 | .316 |

| (G) ALPHA = 3.94 DEGREES | | | | | | (H) ALPHA = 5.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.104 | .027 | .351 | .673 | .712 | 0.00 | -.143 | -.061 | .281 | .628 | .711 |
| .05 | -.409 | -.812 | -1.020 | -.894 | -.805 | .05 | -.474 | -1.055 | -1.130 | -.990 | -.892 |
| .10 | -.457 | -.743 | -1.033 | -.953 | -.857 | .10 | -.498 | -.970 | -1.166 | -1.026 | -.941 |
| .20 | -.405 | -.586 | -.914 | -.921 | -.834 | .20 | -.431 | -.655 | -1.083 | -1.012 | -.928 |
| .30 | -.360 | -.588 | -.746 | -.907 | -.826 | .30 | -.377 | -.641 | -.893 | -1.003 | -.901 |
| .40 | -.369 | -.605 | -.669 | -.885 | -.814 | .40 | -.394 | -.669 | -.716 | -.973 | -.636 |
| .50 | -.388 | -.543 | -.626 | -.868 | -.817 | .50 | -.422 | -.594 | -.671 | -.981 | -.716 |
| .60 | -.379 | -.478 | -.533 | -.813 | -.807 | .60 | -.415 | -.562 | -.676 | -.933 | -.636 |
| .67 | | | -.412 | | | .67 | | | -.556 | | |
| .70 | -.330 | -.403 | | -.334 | -.744 | .70 | -.394 | -.494 | | -.902 | -.597 |
| .80 | -.257 | | | -.283 | -.304 | .80 | -.321 | | | -.455 | -.460 |
| .84 | | | -.031 | | | .84 | | | -.036 | | |
| .86 | | -.203 | | | | .86 | | -.230 | | | |
| .90 | | | | -.208 | -.162 | .90 | | | | -.161 | -.196 |
| .91 | -.181 | | | | | .91 | -.240 | | | | |
| .95 | -.147 | -.078 | -.088 | -.091 | -.089 | .95 | -.197 | -.104 | -.095 | -.072 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .042 | .151 | .111 | -.019 | -.034 | .05 | .061 | .217 | .213 | .084 | .040 |
| .10 | -.007 | .100 | -.023 | -.131 | -.185 | .10 | .024 | .160 | .067 | -.048 | -.087 |
| .20 | -.065 | -.020 | -.107 | -.184 | -.190 | .20 | -.027 | .034 | -.050 | -.106 | -.116 |
| .30 | -.087 | -.061 | -.153 | -.202 | -.181 | .30 | -.050 | -.008 | -.101 | -.134 | -.123 |
| .40 | -.086 | -.103 | -.156 | -.206 | -.167 | .40 | -.042 | -.057 | -.137 | -.150 | -.130 |
| .50 | -.046 | -.131 | -.166 | -.153 | -.126 | .50 | -.010 | -.089 | -.139 | -.128 | -.113 |
| .60 | -.031 | -.099 | -.166 | -.120 | -.048 | .60 | -.001 | -.076 | -.145 | -.101 | -.049 |
| .67 | | | -.049 | | | .67 | | | -.039 | | |
| .70 | -.002 | .008 | | .105 | .128 | .70 | .024 | .025 | | .111 | .097 |
| .80 | .100 | | | .271 | .269 | .80 | .117 | | | .278 | .195 |
| .84 | | | -.167 | | | .84 | | | -.185 | | |
| .86 | | .211 | | | | .86 | | .213 | | | |
| .90 | | | | .333 | .327 | .90 | | | | .337 | .256 |
| .91 | .166 | | | | | .91 | .175 | | | | |
| .95 | .149 | .183 | .310 | .330 | .320 | .95 | .158 | .177 | .304 | .326 | .269 |

RUN = 534 POINT = 9

TABLE 103 CONTINUED

RUN = 534 POINT = 10

(I) ALPHA = 6.12 DEGREES

(J) ALPHA = 8.14 DEGREES

| (I) ALPHA = 6.12 DEGREES | | | | | | (J) ALPHA = 8.14 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.199 | -.161 | .191 | .566 | .684 | 0.00 | -.318 | -.340 | .025 | .446 | .623 |
| .05 | -.562 | -1.221 | -1.233 | -1.079 | -.989 | .05 | -.735 | -1.301 | -1.379 | -1.245 | -1.153 |
| .10 | -.605 | -1.140 | -1.269 | -1.117 | -1.037 | .10 | -.739 | -1.283 | -1.347 | -1.258 | -1.183 |
| .20 | -.486 | -.758 | -1.214 | -1.106 | -1.021 | .20 | -.562 | -1.156 | -1.326 | -1.227 | -1.145 |
| .30 | -.426 | -.700 | -1.165 | -1.088 | -.999 | .30 | -.500 | -1.040 | -1.275 | -1.192 | -1.079 |
| .40 | -.436 | -.705 | -.911 | -1.062 | -.989 | .40 | -.493 | -.925 | -1.089 | -1.150 | -.944 |
| .50 | -.463 | -.662 | -.735 | -1.062 | -.992 | .50 | -.532 | -.774 | -.957 | -.992 | -.944 |
| .60 | -.463 | -.651 | -.741 | -1.006 | -.897 | .60 | -.539 | -.716 | -.870 | -.694 | -.517 |
| .67 | | | -.677 | | | .67 | | | -.695 | | |
| .70 | -.452 | -.587 | | -.887 | -.575 | .70 | -.543 | -.657 | | -.561 | -.417 |
| .80 | -.393 | | | -.499 | -.352 | .80 | -.493 | | | -.497 | -.377 |
| .84 | | | -.046 | | | .84 | | | -.094 | | |
| .86 | | -.270 | | | | .86 | | -.313 | | | |
| .90 | | | | -.318 | -.258 | .90 | | | | -.435 | -.348 |
| .91 | -.335 | | | | | .91 | -.446 | | | | |
| .95 | -.273 | -.138 | -.115 | -.229 | -.200 | .95 | -.381 | -.162 | -.294 | -.404 | -.327 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .069 | .260 | .288 | .168 | .135 | .05 | .084 | .331 | .406 | .304 | .254 |
| .10 | .052 | .206 | .135 | .024 | -.014 | .10 | .091 | .286 | .240 | .137 | .079 |
| .20 | .002 | .083 | .018 | -.059 | -.080 | .20 | .065 | .166 | .106 | .026 | -.006 |
| .30 | -.018 | .040 | -.061 | -.094 | -.103 | .30 | .045 | .102 | .026 | -.032 | -.059 |
| .40 | -.012 | -.019 | -.099 | -.108 | -.123 | .40 | .043 | .040 | -.013 | -.064 | -.108 |
| .50 | .011 | -.064 | -.108 | -.116 | -.125 | .50 | .065 | -.004 | -.061 | -.110 | -.128 |
| .60 | .018 | -.055 | -.130 | -.110 | -.084 | .60 | .063 | -.012 | -.095 | -.134 | -.113 |
| .67 | | | -.035 | | | .67 | | | -.023 | | |
| .70 | .037 | .034 | | .100 | .061 | .70 | .072 | .053 | | .047 | .019 |
| .80 | .127 | | | .257 | .212 | .80 | .147 | | | .212 | .181 |
| .84 | | | -.223 | | | .84 | | | -.300 | | |
| .86 | | .215 | | | | .86 | | .219 | | | |
| .90 | | | | .301 | .268 | .90 | | | | .255 | .226 |
| .91 | .177 | | | | | .91 | .190 | | | | |
| .95 | .158 | .168 | .293 | .283 | .237 | .95 | .164 | .158 | .271 | .228 | .192 |

RUN = 534 POINT = 11

TABLE 103 CONTINUED

RUN = 534 POINT = 12

| (K) ALPHA = 9.92 DEGREES | | | | | | (L) ALPHA = 11.81 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.439 | -.517 | -.127 | .340 | .556 | 0.00 | -.572 | -.699 | -.303 | .210 | .490 |
| .05 | -.921 | -1.325 | -1.079 | -.807 | -1.264 | .05 | -1.130 | -1.346 | -1.042 | -.710 | -.664 |
| .10 | -.910 | -1.327 | -1.090 | -.762 | -1.252 | .10 | -1.115 | -1.350 | -1.014 | -.704 | -.629 |
| .20 | -.673 | -1.290 | -1.041 | -.747 | -1.186 | .20 | -.812 | -1.348 | -.924 | -.695 | -.598 |
| .30 | -.551 | -1.273 | -.962 | -.718 | -1.037 | .30 | -.557 | -1.384 | -.871 | -.693 | -.588 |
| .40 | -.551 | -1.194 | -.844 | -.665 | -.827 | .40 | -.565 | -1.155 | -.824 | -.679 | -.569 |
| .50 | -.584 | -1.051 | -.793 | -.627 | -.794 | .50 | -.606 | -.950 | -.809 | -.664 | -.572 |
| .60 | -.593 | -.844 | -.751 | -.581 | -.656 | .60 | -.630 | -.893 | -.801 | -.651 | -.522 |
| .67 | | | -.729 | | | .67 | | | -.781 | | |
| .70 | -.539 | -.744 | | -.555 | -.595 | .70 | -.450 | -.837 | | -.633 | -.515 |
| .80 | -.353 | | | -.523 | -.537 | .80 | -.271 | | | -.624 | -.510 |
| .84 | | | -.147 | | | .84 | | | -.166 | | |
| .86 | | -.533 | | | | .86 | | -.694 | | | |
| .90 | | | | -.495 | -.467 | .90 | | | | -.608 | -.500 |
| .91 | -.428 | | | | | .91 | -.424 | | | | |
| .95 | -.390 | -.465 | -.624 | -.477 | -.407 | .95 | -.424 | -.668 | -.704 | -.584 | -.477 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .085 | .370 | .481 | .380 | .325 | .05 | .072 | .396 | .541 | .455 | .399 |
| .10 | .111 | .336 | .316 | .209 | .151 | .10 | .135 | .377 | .385 | .288 | .222 |
| .20 | .107 | .212 | .174 | .076 | .036 | .20 | .150 | .270 | .239 | .143 | .087 |
| .30 | .092 | .156 | .081 | -.007 | -.027 | .30 | .144 | .205 | .136 | .047 | .003 |
| .40 | .087 | .079 | .020 | -.050 | -.100 | .40 | .131 | .126 | .063 | -.014 | -.063 |
| .50 | .102 | .032 | -.047 | -.125 | -.136 | .50 | .141 | .073 | -.005 | -.096 | -.117 |
| .60 | .089 | .010 | -.096 | -.169 | -.119 | .60 | .126 | .041 | -.070 | -.149 | -.125 |
| .67 | | | -.048 | | | .67 | | | -.034 | | |
| .70 | .092 | .058 | | .005 | .006 | .70 | .117 | .077 | | .003 | -.017 |
| .80 | .158 | | | .181 | .167 | .80 | .170 | | | .179 | .144 |
| .84 | | | -.388 | | | .84 | | | -.446 | | |
| .86 | | .203 | | | | .86 | | .208 | | | |
| .90 | | | | .241 | .217 | .90 | | | | .225 | .184 |
| .91 | .191 | | | | | .91 | .195 | | | | |
| .95 | .167 | .128 | .212 | .200 | .184 | .95 | .170 | .107 | .208 | .182 | .144 |

RUN = 534 POINT = 13

TABLE 103

CONCLUDED

| (M) ALPHA = .28 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.027 | .242 | .560 | .718 | .639 |
| .05 | -.198 | -.297 | -.329 | -.383 | -.230 |
| .10 | -.247 | -.291 | -.433 | -.367 | -.234 |
| .20 | -.621 | -.308 | -.392 | -.323 | -.246 |
| .30 | -.241 | -.348 | -.316 | -.312 | -.258 |
| .40 | -.237 | -.309 | -.222 | -.283 | -.306 |
| .50 | -.249 | -.249 | -.249 | -.309 | -.303 |
| .60 | -.198 | -.196 | -.281 | -.347 | -.320 |
| .67 | | | -.249 | | |
| .70 | -.135 | -.220 | | -.394 | -.334 |
| .80 | -.109 | | | -.382 | -.487 |
| .84 | | | -.045 | | |
| .86 | | -.202 | | | |
| .90 | | | | -.290 | -.258 |
| .91 | -.109 | | | | |
| .95 | -.100 | -.115 | -.126 | -.124 | -.127 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.183 | -.402 | -.579 | -.700 |
| .10 | -.137 | -.213 | -.431 | -.657 | -.828 |
| .20 | -.221 | -.277 | -.433 | -.600 | -.755 |
| .30 | -.247 | -.281 | -.451 | -.533 | -.676 |
| .40 | -.234 | -.292 | -.431 | -.515 | -.246 |
| .50 | -.189 | -.350 | -.347 | -.243 | -.222 |
| .60 | -.163 | -.235 | -.279 | -.187 | -.113 |
| .67 | | | -.101 | | |
| .70 | -.115 | -.057 | | .057 | .071 |
| .80 | .007 | | | .210 | .200 |
| .84 | | | -.285 | | |
| .86 | | .140 | | | |
| .90 | | | | .276 | .257 |
| .91 | .106 | | | | |
| .95 | .164 | .168 | .289 | .276 | .255 |

RUN = 533 POINT = 1

TABLE 104

WING PRESSURE COEFFICIENTS

RUN = 533 POINT = 2

| (A) ALPHA = -.70 DEGREES | | | | | | (B) ALPHA = .32 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .010 | .304 | .624 | .748 | .638 | 0.00 | .002 | .274 | .593 | .764 | .679 |
| .05 | -.117 | -.132 | -.143 | -.186 | -.059 | .05 | -.166 | -.258 | -.299 | -.391 | -.201 |
| .10 | -.171 | -.158 | -.245 | -.195 | -.108 | .10 | -.217 | -.249 | -.408 | -.361 | -.219 |
| .20 | -.493 | -.198 | -.245 | -.210 | -.148 | .20 | -.408 | -.290 | -.389 | -.282 | -.229 |
| .30 | -.175 | -.235 | -.251 | -.217 | -.176 | .30 | -.207 | -.324 | -.376 | -.310 | -.243 |
| .40 | -.166 | -.218 | -.158 | -.219 | -.221 | .40 | -.207 | -.299 | -.215 | -.273 | -.267 |
| .50 | -.170 | -.181 | -.185 | -.234 | -.219 | .50 | -.219 | -.246 | -.204 | -.304 | -.264 |
| .60 | -.126 | -.145 | -.230 | -.276 | -.285 | .60 | -.174 | -.175 | -.257 | -.311 | -.321 |
| .67 | | | -.206 | | | .67 | | | -.255 | | |
| .70 | -.074 | -.168 | | -.344 | -.299 | .70 | -.106 | -.190 | | -.367 | -.356 |
| .80 | -.055 | | | -.383 | -.402 | .80 | -.078 | | | -.473 | -.486 |
| .84 | | | -.014 | | | .84 | | | -.018 | | |
| .86 | | -.187 | | | | .86 | | -.209 | | | |
| .90 | | | | -.238 | -.198 | .90 | | | | -.238 | -.179 |
| .91 | -.070 | | | | | .91 | -.082 | | | | |
| .95 | -.066 | -.097 | -.099 | -.081 | -.080 | .95 | -.080 | -.095 | -.101 | -.076 | -.076 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.078 | -.293 | -.576 | -.661 | -.725 | .05 | -.044 | -.169 | -.363 | -.516 | -.619 |
| .10 | -.140 | -.304 | -.526 | -.775 | -.861 | .10 | -.108 | -.196 | -.396 | -.615 | -.753 |
| .20 | -.218 | -.331 | -.528 | -.727 | -.866 | .20 | -.192 | -.244 | -.403 | -.574 | -.734 |
| .30 | -.286 | -.322 | -.501 | -.688 | -.838 | .30 | -.236 | -.255 | -.414 | -.552 | -.695 |
| .40 | -.241 | -.339 | -.521 | -.683 | -.810 | .40 | -.206 | -.288 | -.438 | -.591 | -.626 |
| .50 | -.188 | -.431 | -.600 | -.720 | -.538 | .50 | -.155 | -.353 | -.433 | -.280 | -.156 |
| .60 | -.175 | -.356 | -.289 | -.134 | -.048 | .60 | -.140 | -.261 | -.269 | -.141 | -.054 |
| .67 | | | -.078 | | | .67 | | | -.072 | | |
| .70 | -.149 | -.064 | | .071 | .086 | .70 | -.099 | -.041 | | .092 | .110 |
| .80 | -.004 | | | .182 | .182 | .80 | .030 | | | .222 | .252 |
| .84 | | | -.164 | | | .84 | | | -.150 | | |
| .86 | | .129 | | | | .86 | | .160 | | | |
| .90 | | | | .290 | .239 | .90 | | | | .293 | .314 |
| .91 | .104 | | | | | .91 | .131 | | | | |
| .95 | .147 | .175 | .303 | .307 | .236 | .95 | .141 | .191 | .319 | .300 | .305 |

RUN = 533 POINT = 3

TABLE 104 CONTINUED

RUN = 533 POINT = 4

| (C) ALPHA = 1.20 DEGREES | | | | | | (D) ALPHA = 2.08 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.010 | .234 | .549 | .754 | .713 | 0.00 | -.030 | .190 | .513 | .746 | .727 |
| .05 | -.210 | -.345 | -.452 | -.553 | -.395 | .05 | -.285 | -.457 | -.643 | -.652 | -.552 |
| .10 | -.276 | -.354 | -.549 | -.580 | -.391 | .10 | -.330 | -.463 | -.668 | -.714 | -.406 |
| .20 | -.369 | -.356 | -.466 | -.494 | -.298 | .20 | -.360 | -.416 | -.582 | -.656 | -.404 |
| .30 | -.244 | -.410 | -.513 | -.421 | -.266 | .30 | -.285 | -.473 | -.607 | -.621 | -.448 |
| .40 | -.240 | -.382 | -.300 | -.172 | -.274 | .40 | -.279 | -.473 | -.450 | -.559 | -.404 |
| .50 | -.266 | -.311 | -.247 | -.247 | -.285 | .50 | -.307 | -.399 | -.393 | -.484 | -.396 |
| .60 | -.218 | -.228 | -.268 | -.306 | -.371 | .60 | -.277 | -.313 | -.332 | -.312 | -.226 |
| .67 | | | -.245 | | | .67 | | | -.298 | | |
| .70 | -.151 | -.214 | | -.372 | -.417 | .70 | -.202 | -.279 | | -.360 | -.271 |
| .80 | -.108 | | | -.501 | -.531 | .80 | -.154 | | | -.363 | -.401 |
| .84 | | | -.011 | | | .84 | | | -.015 | | |
| .86 | | -.195 | | | | .86 | | -.214 | | | |
| .90 | | | | -.220 | -.164 | .90 | | | | -.235 | -.169 |
| .91 | -.093 | | | | | .91 | -.122 | | | | |
| .95 | -.078 | -.081 | -.104 | -.068 | -.045 | .95 | -.099 | -.074 | -.084 | -.073 | -.082 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.012 | -.079 | -.220 | -.381 | -.479 | .05 | .010 | .003 | -.097 | -.241 | -.302 |
| .10 | -.072 | -.115 | -.284 | -.503 | -.617 | .10 | -.051 | -.031 | -.188 | -.358 | -.439 |
| .20 | -.160 | -.180 | -.311 | -.458 | -.550 | .20 | -.127 | -.124 | -.241 | -.351 | -.365 |
| .30 | -.180 | -.190 | -.348 | -.447 | -.483 | .30 | -.152 | -.136 | -.276 | -.336 | -.252 |
| .40 | -.164 | -.220 | -.335 | -.456 | -.290 | .40 | -.137 | -.185 | -.274 | -.387 | -.235 |
| .50 | -.119 | -.290 | -.302 | -.189 | -.231 | .50 | -.092 | -.212 | -.256 | -.186 | -.171 |
| .60 | -.104 | -.195 | -.246 | -.154 | -.085 | .60 | -.079 | -.162 | -.232 | -.145 | -.077 |
| .67 | | | -.065 | | | .67 | | | -.056 | | |
| .70 | -.065 | -.024 | | .088 | .095 | .70 | -.034 | -.010 | | .102 | .105 |
| .80 | .056 | | | .250 | .235 | .80 | .076 | | | .255 | .247 |
| .84 | | | -.143 | | | .84 | | | -.146 | | |
| .86 | | .182 | | | | .86 | | .197 | | | |
| .90 | | | | .307 | .302 | .90 | | | | .319 | .312 |
| .91 | .149 | | | | | .91 | .160 | | | | |
| .95 | .144 | .205 | .326 | .300 | .300 | .95 | .145 | .205 | .332 | .318 | .295 |

RUN = 533 POINT = 5

TABLE 104 CONTINUED

RUN = 533 POINT = 6

| (E) ALPHA = 3.01 DEGREES | | | | | | (F) ALPHA = 3.55 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.054 | .132 | .461 | .734 | .735 | 0.00 | -.070 | .092 | .418 | .719 | .739 |
| .05 | -.334 | -.631 | -.838 | -.726 | -.638 | .05 | -.366 | -.720 | -.915 | -.775 | -.687 |
| .10 | -.379 | -.569 | -.813 | -.802 | -.690 | .10 | -.404 | -.629 | -.928 | -.846 | -.737 |
| .20 | -.367 | -.489 | -.720 | -.768 | -.678 | .20 | -.378 | -.511 | -.805 | -.816 | -.722 |
| .30 | -.295 | -.510 | -.652 | -.753 | -.656 | .30 | -.305 | -.535 | -.684 | -.806 | -.715 |
| .40 | -.319 | -.531 | -.559 | -.722 | -.668 | .40 | -.333 | -.550 | -.622 | -.787 | -.717 |
| .50 | -.326 | -.470 | -.519 | -.684 | -.673 | .50 | -.342 | -.491 | -.557 | -.775 | -.710 |
| .60 | -.319 | -.398 | -.445 | -.600 | -.692 | .60 | -.338 | -.442 | -.525 | -.736 | -.742 |
| .67 | | | -.392 | | | .67 | | | -.436 | | |
| .70 | -.265 | -.349 | | -.443 | -.649 | .70 | -.288 | -.382 | | -.654 | -.732 |
| .80 | -.207 | | | -.324 | -.480 | .80 | -.232 | | | -.441 | -.648 |
| .84 | | | -.017 | | | .84 | | | -.021 | | |
| .86 | | -.248 | | | | .86 | | -.251 | | | |
| .90 | | | | -.179 | -.159 | .90 | | | | -.147 | -.254 |
| .91 | -.166 | | | | | .91 | -.190 | | | | |
| .95 | -.134 | -.074 | -.089 | -.053 | -.096 | .95 | -.147 | -.081 | -.094 | -.033 | -.075 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .075 | .019 | -.135 | -.154 | .05 | .049 | .128 | .072 | -.064 | -.079 |
| .10 | -.013 | -.033 | -.095 | -.233 | -.352 | .10 | -0.000 | .078 | -.053 | -.180 | -.275 |
| .20 | -.089 | -.062 | -.169 | -.275 | -.286 | .20 | -.067 | -.034 | -.133 | -.222 | -.239 |
| .30 | -.114 | -.093 | -.195 | -.268 | -.259 | .30 | -.089 | -.066 | -.177 | -.233 | -.218 |
| .40 | -.101 | -.138 | -.226 | -.290 | -.216 | .40 | -.080 | -.106 | -.189 | -.222 | -.190 |
| .50 | -.060 | -.174 | -.217 | -.184 | -.147 | .50 | -.031 | -.149 | -.193 | -.175 | -.135 |
| .60 | -.045 | -.131 | -.210 | -.132 | -.055 | .60 | -.024 | -.111 | -.191 | -.134 | -.043 |
| .67 | | | -.047 | | | .67 | | | -.042 | | |
| .70 | -.007 | .003 | | .104 | .135 | .70 | .005 | .007 | | .113 | .126 |
| .80 | .098 | | | .263 | .275 | .80 | .109 | | | .267 | .281 |
| .84 | | | -.173 | | | .84 | | | -.189 | | |
| .86 | | .206 | | | | .86 | | .216 | | | |
| .90 | | | | .332 | .339 | .90 | | | | .327 | .334 |
| .91 | .173 | | | | | .91 | .178 | | | | |
| .95 | .150 | .200 | .327 | .328 | .335 | .95 | .159 | .197 | .326 | .327 | .331 |

RUN = 533 POINT = 7

TABLE 104 CONTINUED

RUN = 533 POINT = 8

| (G) ALPHA = 3.96 DEGREES | | | | | | (H) ALPHA = 4.98 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|--------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.086 | .058 | .405 | .709 | .731 | 0.00 | -.124 | -.028 | .331 | .672 | .732 |
| .05 | -.400 | -.795 | -.969 | -.817 | -.728 | .05 | -.465 | -.999 | -1.070 | -.905 | -.801 |
| .10 | -.454 | -.706 | -.990 | -.866 | -.773 | .10 | -.506 | -.919 | -1.108 | -.953 | -.859 |
| .20 | -.402 | -.569 | -.882 | -.854 | -.766 | .20 | -.433 | -.608 | -1.041 | -.936 | -.844 |
| .30 | -.323 | -.560 | -.696 | -.854 | -.754 | .30 | -.368 | -.619 | -.926 | -.924 | -.837 |
| .40 | -.344 | -.588 | -.643 | -.824 | -.757 | .40 | -.368 | -.630 | -.674 | -.902 | -.834 |
| .50 | -.362 | -.518 | -.609 | -.817 | -.754 | .50 | -.396 | -.568 | -.646 | -.911 | -.832 |
| .60 | -.355 | -.493 | -.590 | -.784 | -.771 | .60 | -.390 | -.562 | -.663 | -.911 | -.840 |
| .67 | | | -.482 | | | .67 | | | -.583 | | |
| .70 | -.318 | -.431 | | -.739 | -.750 | .70 | -.364 | -.498 | | -.858 | -.787 |
| .80 | -.251 | | | -.550 | -.628 | .80 | -.299 | | | -.754 | -.576 |
| .84 | | | -.029 | | | .84 | | | -.030 | | |
| .86 | | -.272 | | | | .86 | | -.305 | | | |
| .90 | | | | -.121 | -.303 | .90 | | | | -.285 | -.316 |
| .91 | -.223 | | | | | .91 | -.275 | | | | |
| .95 | -.180 | -.103 | -.107 | -.017 | -.130 | .95 | -.228 | -.130 | -.130 | -.143 | -.207 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .056 | .163 | .116 | -.030 | -.059 | .05 | .079 | .217 | .208 | .074 | .038 |
| .10 | .010 | .102 | -.010 | -.139 | -.210 | .10 | .038 | .164 | .057 | -.051 | -.115 |
| .20 | -.053 | -.004 | -.104 | -.193 | -.207 | .20 | -.016 | .045 | -.043 | -.123 | -.149 |
| .30 | -.077 | -.042 | -.153 | -.204 | -.198 | .30 | -.039 | -.001 | -.109 | -.158 | -.156 |
| .40 | -.068 | -.099 | -.155 | -.215 | -.174 | .40 | -.029 | -.054 | -.140 | -.169 | -.158 |
| .50 | -.029 | -.129 | -.175 | -.161 | -.130 | .50 | -0.000 | -.090 | -.143 | -.151 | -.135 |
| .60 | -.019 | -.103 | -.186 | -.126 | -.054 | .60 | .007 | -.072 | -.162 | -.123 | -.070 |
| .67 | | | -.041 | | | .67 | | | -.043 | | |
| .70 | .011 | .014 | | .106 | .122 | .70 | .037 | .024 | | .100 | .088 |
| .80 | .112 | | | .263 | .269 | .80 | .130 | | | .261 | .240 |
| .84 | | | -.203 | | | .84 | | | -.229 | | |
| .86 | | .218 | | | | .86 | | .221 | | | |
| .90 | | | | .330 | .316 | .90 | | | | .323 | .292 |
| .91 | .179 | | | | | .91 | .189 | | | | |
| .95 | .162 | .189 | .319 | .323 | .304 | .95 | .171 | .181 | .309 | .323 | .268 |

RUN = 533 POINT = 9

TABLE 104 CONTINUED

RUN = 533 POINT = 10

| (I) ALPHA = 6.09 DEGREES | | | | | | (J) ALPHA = 8.11 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.178 | -.113 | .256 | .622 | .712 | 0.00 | -.279 | -.273 | .093 | .511 | .661 |
| .05 | -.538 | -1.135 | -1.161 | -.980 | -.893 | .05 | -.716 | -1.234 | -1.301 | -1.136 | -1.049 |
| .10 | -.551 | -1.077 | -1.205 | -1.022 | -.944 | .10 | -.707 | -1.202 | -1.282 | -1.163 | -1.076 |
| .20 | -.466 | -.691 | -1.146 | -1.013 | -.932 | .20 | -.538 | -1.083 | -1.260 | -1.147 | -1.069 |
| .30 | -.395 | -.664 | -1.101 | -1.004 | -.906 | .30 | -.460 | -.999 | -1.216 | -1.136 | -1.040 |
| .40 | -.392 | -.662 | -.883 | -.986 | -.908 | .40 | -.453 | -.863 | -1.078 | -1.098 | -.983 |
| .50 | -.425 | -.616 | -.699 | -.998 | -.911 | .50 | -.484 | -.761 | -.941 | -1.060 | -.978 |
| .60 | -.418 | -.614 | -.705 | -.957 | -.850 | .60 | -.494 | -.678 | -.867 | -.916 | -.664 |
| .67 | | | -.652 | | | .67 | | | -.780 | | |
| .70 | -.406 | -.567 | | -.933 | -.702 | .70 | -.492 | -.637 | | -.658 | -.465 |
| .80 | -.351 | | | -.604 | -.429 | .80 | -.445 | | | -.542 | -.418 |
| .84 | | | -.047 | | | .84 | | | -.076 | | |
| .86 | | -.342 | | | | .86 | | -.463 | | | |
| .90 | | | | -.396 | -.300 | .90 | | | | -.453 | -.380 |
| .91 | -.338 | | | | | .91 | -.440 | | | | |
| .95 | -.308 | -.160 | -.157 | -.321 | -.244 | .95 | -.434 | -.200 | -.312 | -.420 | -.350 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .090 | .273 | .296 | .169 | .124 | .05 | .113 | .353 | .418 | .310 | .264 |
| .10 | .070 | .222 | .144 | .030 | -.033 | .10 | .117 | .314 | .252 | .149 | .086 |
| .20 | .018 | .101 | .019 | -.054 | -.086 | .20 | .084 | .182 | .120 | .042 | .005 |
| .30 | .007 | .045 | -.051 | -.096 | -.111 | .30 | .076 | .123 | .038 | -.021 | -.046 |
| .40 | .011 | -.009 | -.100 | -.136 | -.136 | .40 | .075 | .057 | -.006 | -.066 | -.097 |
| .50 | .035 | -.060 | -.107 | -.127 | -.141 | .50 | .093 | .006 | -.055 | -.104 | -.126 |
| .60 | .038 | -.051 | -.134 | -.127 | -.093 | .60 | .088 | .001 | -.093 | -.135 | -.102 |
| .67 | | | -.032 | | | .67 | | | -.015 | | |
| .70 | .061 | .039 | | .090 | .057 | .70 | .101 | .068 | | .058 | .032 |
| .80 | .144 | | | .253 | .220 | .80 | .177 | | | .226 | .194 |
| .84 | | | -.259 | | | .84 | | | -.339 | | |
| .86 | | .224 | | | | .86 | | .240 | | | |
| .90 | | | | .304 | .268 | .90 | | | | .276 | .240 |
| .91 | .198 | | | | | .91 | .217 | | | | |
| .95 | .180 | .183 | .311 | .278 | .241 | .95 | .189 | .180 | .290 | .254 | .206 |

RUN = 533 POINT = 12

TABLE 104 CONCLUDED

| | (K) ALPHA = | .28 DEGREES | | | |
|------|-------------|-------------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.007 | .271 | .589 | .756 | .671 |
| .05 | -.169 | -.261 | -.290 | -.394 | -.215 |
| .10 | -.229 | -.261 | -.402 | -.392 | -.239 |
| .20 | -.518 | -.304 | -.394 | -.279 | -.246 |
| .30 | -.222 | -.330 | -.389 | -.316 | -.256 |
| .40 | -.218 | -.307 | -.209 | -.272 | -.285 |
| .50 | -.233 | -.233 | -.214 | -.307 | -.284 |
| .60 | -.182 | -.180 | -.262 | -.317 | -.333 |
| .67 | | | -.256 | | |
| .70 | -.117 | -.195 | | -.365 | -.354 |
| .80 | -.087 | | | -.468 | -.486 |
| .84 | | | -.024 | | |
| .86 | | -.210 | | | |
| .90 | | | | -.243 | -.191 |
| .91 | -.093 | | | | |
| .95 | -.087 | -.102 | -.102 | -.080 | -.078 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.048 | -.169 | -.383 | -.537 | -.625 |
| .10 | -.115 | -.199 | -.397 | -.609 | -.765 |
| .20 | -.197 | -.250 | -.412 | -.575 | -.746 |
| .30 | -.248 | -.250 | -.415 | -.546 | -.697 |
| .40 | -.209 | -.296 | -.439 | -.591 | -.625 |
| .50 | -.156 | -.355 | -.432 | -.245 | -.148 |
| .60 | -.145 | -.263 | -.278 | -.146 | -.059 |
| .67 | | | -.080 | | |
| .70 | -.113 | -.049 | | .082 | .110 |
| .80 | .022 | | | .241 | .246 |
| .84 | | | -.258 | | |
| .86 | | .162 | | | |
| .90 | | | | .296 | .313 |
| .91 | .122 | | | | |
| .95 | .173 | .187 | .312 | .289 | .305 |

RUN = 532 POINT = 3

TABLE 105

WING PRESSURE COEFFICIENTS

RUN = 532 POINT = 4

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .006 | .302 | .645 | .767 | .651 | 0.00 | .005 | .280 | .612 | .770 | .699 |
| .05 | -.112 | -.137 | -.117 | -.185 | -.061 | .05 | -.175 | -.232 | -.268 | -.392 | -.197 |
| .10 | -.163 | -.150 | -.247 | -.189 | -.108 | .10 | -.214 | -.234 | -.385 | -.392 | -.230 |
| .20 | .134 | -.193 | -.260 | -.200 | -.147 | .20 | .035 | -.290 | -.358 | -.316 | -.219 |
| .30 | -.176 | -.262 | -.224 | -.236 | -.172 | .30 | -.221 | -.328 | -.390 | -.263 | -.237 |
| .40 | -.161 | -.230 | -.146 | -.201 | -.216 | .40 | -.201 | -.294 | -.226 | -.206 | -.268 |
| .50 | -.169 | -.167 | -.180 | -.247 | -.244 | .50 | -.221 | -.252 | -.228 | -.281 | -.262 |
| .60 | -.126 | -.133 | -.212 | -.258 | -.277 | .60 | -.169 | -.173 | -.218 | -.323 | -.316 |
| .67 | | | -.218 | | | .67 | | | -.222 | | |
| .70 | -.062 | -.157 | | -.329 | -.322 | .70 | -.108 | -.177 | | -.361 | -.366 |
| .80 | -.043 | | | -.448 | -.463 | .80 | -.069 | | | -.483 | -.493 |
| .84 | | | -.020 | | | .84 | | | -.024 | | |
| .86 | | -.211 | | | | .86 | | -.213 | | | |
| .90 | | | | -.190 | -.139 | .90 | | | | -.215 | -.154 |
| .91 | -.077 | | | | | .91 | -.084 | | | | |
| .95 | -.092 | -.106 | -.089 | -.031 | -.035 | .95 | -.089 | -.096 | -.099 | -.040 | -.027 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.075 | -.309 | -.555 | -.611 | -.672 | .05 | -.037 | -.169 | -.363 | -.494 | -.582 |
| .10 | -.126 | -.330 | -.503 | -.721 | -.812 | .10 | -.100 | -.183 | -.394 | -.585 | -.713 |
| .20 | -.225 | -.271 | -.500 | -.703 | -.808 | .20 | -.190 | -.234 | -.396 | -.576 | -.708 |
| .30 | -.285 | -.323 | -.483 | -.666 | -.608 | .30 | -.255 | -.254 | -.410 | -.547 | -.696 |
| .40 | -.315 | -.327 | -.490 | -.668 | -.525 | .40 | -.223 | -.279 | -.425 | -.585 | -.672 |
| .50 | -.150 | -.418 | -.600 | -.706 | -.567 | .50 | -.145 | -.358 | -.509 | -.644 | -.646 |
| .60 | -.174 | -.399 | -.536 | -.201 | -.135 | .60 | -.134 | -.322 | -.330 | -.128 | -.080 |
| .67 | | | -.110 | | | .67 | | | -.080 | | |
| .70 | -.157 | -.108 | | -.066 | -.009 | .70 | -.115 | -.065 | | .053 | .081 |
| .80 | -.026 | | | .071 | .133 | .80 | .010 | | | .165 | .244 |
| .84 | | | -.141 | | | .84 | | | -.144 | | |
| .86 | | .112 | | | | .86 | | .153 | | | |
| .90 | | | | .236 | .212 | .90 | | | | .276 | .324 |
| .91 | .091 | | | | | .91 | .122 | | | | |
| .95 | .540 | .174 | .302 | .284 | .221 | .95 | .403 | .187 | .313 | .307 | .316 |

RUN = 532 POINT = 5

TABLE 105 CONTINUED

RUN = 532 POINT = 6

| (C) ALPHA = 1.15 DEGREES | | | | | | (D) ALPHA = 1.98 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.014 | .249 | .581 | .765 | .718 | 0.00 | -.030 | .200 | .539 | .762 | .727 |
| .05 | -.219 | -.343 | -.433 | -.504 | -.390 | .05 | -.274 | -.432 | -.605 | -.584 | -.493 |
| .10 | -.276 | -.358 | -.524 | -.535 | -.419 | .10 | -.337 | -.439 | -.607 | -.652 | -.516 |
| .20 | -.053 | -.337 | -.460 | -.480 | -.390 | .20 | -.138 | -.408 | -.537 | -.621 | -.535 |
| .30 | -.228 | -.388 | -.515 | -.467 | -.362 | .30 | -.265 | -.432 | -.569 | -.599 | -.526 |
| .40 | -.248 | -.395 | -.335 | -.413 | -.317 | .40 | -.272 | -.449 | -.462 | -.535 | -.512 |
| .50 | -.250 | -.319 | -.318 | -.278 | -.322 | .50 | -.285 | -.383 | -.434 | -.539 | -.535 |
| .60 | -.226 | -.253 | -.278 | -.307 | -.297 | .60 | -.266 | -.308 | -.349 | -.426 | -.511 |
| .67 | | | -.259 | | | .67 | | | -.328 | | |
| .70 | -.142 | -.230 | | -.345 | -.353 | .70 | -.199 | -.291 | | -.392 | -.511 |
| .80 | -.109 | | | -.475 | -.482 | .80 | -.155 | | | -.501 | -.500 |
| .84 | | | -.022 | | | .84 | | | -.027 | | |
| .86 | | -.228 | | | | .86 | | -.259 | | | |
| .90 | | | | -.213 | -.324 | .90 | | | | -.168 | -.146 |
| .91 | -.107 | | | | | .91 | -.142 | | | | |
| .95 | -.096 | -.081 | -.081 | -.049 | -.039 | .95 | -.127 | -.088 | -.097 | -.028 | -.031 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.009 | -.081 | -.207 | -.378 | -.465 | .05 | .010 | -.007 | -.104 | -.261 | -.359 |
| .10 | -.070 | -.105 | -.258 | -.477 | -.603 | .10 | -.043 | -.033 | -.193 | -.379 | -.509 |
| .20 | -.157 | -.175 | -.313 | -.466 | -.581 | .20 | -.129 | -.122 | -.248 | -.375 | -.483 |
| .30 | -.230 | -.187 | -.349 | -.460 | -.548 | .30 | -.173 | -.135 | -.293 | -.395 | -.445 |
| .40 | -.159 | -.232 | -.364 | -.518 | -.538 | .40 | -.140 | -.187 | -.306 | -.448 | -.406 |
| .50 | -.115 | -.306 | -.407 | -.389 | -.233 | .50 | -.090 | -.263 | -.297 | -.288 | -.181 |
| .60 | -.105 | -.251 | -.271 | -.118 | -.056 | .60 | -.080 | -.193 | -.253 | -.129 | -.057 |
| .67 | | | -.063 | | | .67 | | | -.070 | | |
| .70 | -.074 | -.031 | | .103 | .108 | .70 | -.051 | -.022 | | .105 | .121 |
| .80 | .054 | | | .227 | .249 | .80 | .069 | | | .248 | .260 |
| .84 | | | -.149 | | | .84 | | | -.168 | | |
| .86 | | .180 | | | | .86 | | .193 | | | |
| .90 | | | | .294 | .328 | .90 | | | | .311 | .329 |
| .91 | .145 | | | | | .91 | .155 | | | | |
| .95 | .323 | .203 | .322 | .307 | .313 | .95 | .268 | .203 | .327 | .306 | .322 |

RUN = 532 POINT = 7

TABLE 105 CONTINUED

RUN = 532 POINT = 8

| (E) ALPHA = 2.88 DEGREES | | | | | | (F) ALPHA = 3.45 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.051 | .145 | .484 | .746 | .735 | 0.00 | -.066 | .110 | .461 | .744 | .746 |
| .05 | -.335 | -.625 | -.788 | -.655 | -.578 | .05 | -.353 | -.690 | -.847 | -.706 | -.628 |
| .10 | -.381 | -.515 | -.786 | -.731 | -.619 | .10 | -.409 | -.583 | -.866 | -.775 | -.667 |
| .20 | -.210 | -.465 | -.670 | -.702 | -.619 | .20 | -.263 | -.505 | -.755 | -.757 | -.674 |
| .30 | -.296 | -.479 | -.617 | -.702 | -.612 | .30 | -.313 | -.510 | -.646 | -.759 | -.662 |
| .40 | -.294 | -.510 | -.545 | -.671 | -.624 | .40 | -.305 | -.537 | -.586 | -.741 | -.671 |
| .50 | -.316 | -.444 | -.506 | -.642 | -.621 | .50 | -.331 | -.462 | -.544 | -.746 | -.671 |
| .60 | -.309 | -.400 | -.489 | -.597 | -.643 | .60 | -.314 | -.446 | -.552 | -.692 | -.697 |
| .67 | | | -.397 | | | .67 | | | -.452 | | |
| .70 | -.259 | -.338 | | -.570 | -.674 | .70 | -.289 | -.388 | | -.630 | -.705 |
| .80 | -.196 | | | -.548 | -.624 | .80 | -.214 | | | -.644 | -.633 |
| .84 | | | -.032 | | | .84 | | | -.031 | | |
| .86 | | -.293 | | | | .86 | | -.311 | | | |
| .90 | | | | -.147 | -.291 | .90 | | | | -.154 | -.322 |
| .91 | -.190 | | | | | .91 | -.213 | | | | |
| .95 | -.164 | -.109 | -.124 | -.039 | -.105 | .95 | -.187 | -.119 | -.142 | -.060 | -.192 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .036 | .082 | .004 | -.142 | -.204 | .05 | .049 | .128 | .062 | -.093 | -.125 |
| .10 | -.021 | .035 | -.099 | -.265 | -.393 | .10 | -0.000 | .075 | -.049 | -.196 | -.341 |
| .20 | -.097 | -.065 | -.180 | -.292 | -.361 | .20 | -.072 | -.027 | -.142 | -.247 | -.317 |
| .30 | -.123 | -.097 | -.227 | -.312 | -.349 | .30 | -.090 | -.063 | -.182 | -.265 | -.296 |
| .40 | -.105 | -.139 | -.247 | -.379 | -.260 | .40 | -.079 | -.110 | -.205 | -.338 | -.241 |
| .50 | -.058 | -.189 | -.243 | -.180 | -.195 | .50 | -.040 | -.155 | -.218 | -.163 | -.187 |
| .60 | -.043 | -.156 | -.243 | -.141 | -.067 | .60 | -.026 | -.138 | -.234 | -.151 | -.079 |
| .67 | | | -.070 | | | .67 | | | -.062 | | |
| .70 | -.019 | -.009 | | .096 | .113 | .70 | -0.000 | -.001 | | .091 | .098 |
| .80 | .088 | | | .260 | .249 | .80 | .101 | | | .259 | .247 |
| .84 | | | -.195 | | | .84 | | | -.216 | | |
| .86 | | .203 | | | | .86 | | .209 | | | |
| .90 | | | | .314 | .312 | .90 | | | | .313 | .303 |
| .91 | .164 | | | | | .91 | .173 | | | | |
| .95 | .231 | .195 | .320 | .302 | .300 | .95 | .214 | .192 | .314 | .301 | .276 |

RUN = 532 POINT = 9

TABLE 105 CONTINUED

RUN = 532 POINT = 10

| (G) ALPHA = 3.86 DEGREES | | | | | | (H) ALPHA = 4.93 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.080 | .087 | .432 | .724 | .742 | 0.00 | -.122 | .006 | .356 | .693 | .738 |
| .05 | -.377 | .089 | .432 | .729 | .742 | .05 | -.465 | .009 | .358 | .689 | .736 |
| .10 | -.428 | -.758 | -.893 | -.747 | -.654 | .10 | -.484 | -.974 | -.993 | -.832 | -.727 |
| .20 | -.312 | -.651 | -.923 | -.809 | -.705 | .20 | -.360 | -.878 | -1.032 | -.886 | -.781 |
| .30 | -.312 | -.533 | -.839 | -.796 | -.693 | .30 | -.362 | -.592 | -.984 | -.875 | -.774 |
| .40 | -.321 | -.554 | -.655 | -.791 | -.695 | .40 | -.362 | -.586 | -.913 | -.868 | -.771 |
| .50 | -.321 | -.485 | -.610 | -.771 | -.691 | .50 | -.349 | -.541 | -.618 | -.848 | -.780 |
| .60 | -.334 | -.475 | -.558 | -.780 | -.701 | .60 | -.367 | -.528 | -.622 | -.866 | -.780 |
| .67 | | | -.571 | | | .67 | | | -.622 | | |
| .70 | -.321 | -.419 | | -.762 | -.720 | .70 | -.360 | -.478 | | -.879 | -.798 |
| .80 | -.294 | | | -.715 | -.718 | .80 | -.332 | | | -.826 | -.757 |
| .84 | | | -.487 | | | .84 | | | -.571 | | |
| .86 | | -.419 | | | | .86 | | -.353 | | | |
| .90 | | | | -.679 | -.644 | .90 | | | | -.808 | -.679 |
| .91 | -.225 | | | | | .91 | -.272 | | | | |
| .95 | -.224 | -.320 | -.037 | -.174 | -.363 | .95 | -.281 | -.353 | -.044 | -.414 | -.439 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.201 | -.136 | .112 | -.061 | -.232 | .05 | -.257 | -.162 | .212 | -.298 | -.303 |
| .10 | .063 | .155 | -.015 | -.042 | -.074 | .10 | .078 | .220 | .064 | .057 | .020 |
| .20 | .017 | .106 | -.113 | -.160 | -.281 | .20 | .046 | .171 | -.034 | -.066 | -.152 |
| .30 | -.054 | -.007 | -.165 | -.212 | -.280 | .30 | -.014 | .042 | -.109 | -.135 | -.176 |
| .40 | -.076 | -.033 | -.192 | -.229 | -.232 | .40 | -.034 | .001 | -.151 | -.190 | -.200 |
| .50 | -.061 | -.089 | -.192 | -.312 | -.240 | .50 | -.023 | -.046 | -.153 | -.243 | -.200 |
| .60 | -.021 | -.138 | -.209 | -.147 | -.188 | .60 | .011 | -.104 | -.153 | -.157 | -.211 |
| .67 | | | -.227 | | | .67 | | | -.207 | | |
| .70 | -.013 | -.112 | | .088 | -.082 | .70 | .011 | -.091 | | .081 | -.113 |
| .80 | .010 | | | .255 | .090 | .80 | .035 | | | .243 | .066 |
| .84 | | | -.064 | | | .84 | | | -.053 | | |
| .86 | | .007 | | | | .86 | | .020 | | | |
| .90 | | | | .314 | .240 | .90 | | | | .301 | .223 |
| .91 | .109 | | | | | .91 | .127 | | | | |
| .95 | .178 | .209 | -.236 | .307 | .306 | .95 | .190 | .220 | -.268 | .294 | .269 |

RUN = 532 POINT = 11

TABLE 105 CONTINUED

RUN = 532 POINT = 12

| (I) ALPHA = 6.04 DEGREES | | | | | | (J) ALPHA = 8.10 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.165 | -.068 | .287 | .648 | .722 | 0.00 | -.272 | -.230 | .135 | .555 | .692 |
| .05 | -.543 | -1.080 | -1.089 | -.911 | -.812 | .05 | -.685 | -1.162 | -1.218 | -1.052 | -.958 |
| .10 | -.567 | -1.025 | -1.124 | -.957 | -.872 | .10 | -.713 | -1.143 | -1.226 | -1.090 | -.999 |
| .20 | -.416 | -.657 | -1.087 | -.945 | -.863 | .20 | -.503 | -1.020 | -1.192 | -1.067 | -.990 |
| .30 | -.392 | -.618 | -1.031 | -.943 | -.735 | .30 | -.424 | -.914 | -1.156 | -1.065 | -.973 |
| .40 | -.379 | -.624 | -.925 | -.925 | -.601 | .40 | -.421 | -.835 | -1.037 | -1.049 | -.958 |
| .50 | -.405 | -.577 | -.637 | -.934 | -.657 | .50 | -.452 | -.725 | -.901 | -1.042 | -.958 |
| .60 | -.395 | -.579 | -.666 | -.929 | -.698 | .60 | -.461 | -.650 | -.841 | -.998 | -.871 |
| .67 | | | -.618 | | | .67 | | | -.768 | | |
| .70 | -.377 | -.530 | | -.902 | -.722 | .70 | -.456 | -.607 | | -.950 | -.653 |
| .80 | -.322 | | | -.745 | -.579 | .80 | -.412 | | | -.654 | -.489 |
| .84 | | | -.052 | | | .84 | | | -.075 | | |
| .86 | | -.380 | | | | .86 | | -.475 | | | |
| .90 | | | | -.466 | -.361 | .90 | | | | -.530 | -.428 |
| .91 | -.327 | | | | | .91 | -.404 | | | | |
| .95 | -.325 | -.183 | -.203 | -.391 | -.285 | .95 | -.419 | -.260 | -.344 | -.474 | -.409 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .274 | .298 | .157 | .107 | .05 | .124 | .368 | .417 | .304 | .252 |
| .10 | .073 | .224 | .132 | .011 | -.052 | .10 | .124 | .321 | .264 | .146 | .087 |
| .20 | .023 | .107 | .020 | -.070 | -.089 | .20 | .095 | .194 | .123 | .044 | -.008 |
| .30 | .005 | .055 | -.047 | -.123 | -.135 | .30 | .084 | .138 | .038 | -.022 | -.059 |
| .40 | .016 | -0.000 | -.101 | -.171 | -.176 | .40 | .082 | .071 | -.006 | -.074 | -.101 |
| .50 | .045 | -.054 | -.115 | -.164 | -.174 | .50 | .104 | .017 | -.051 | -.116 | -.149 |
| .60 | .047 | -.051 | -.160 | -.155 | -.118 | .60 | .100 | .008 | -.105 | -.145 | -.106 |
| .67 | | | -.043 | | | .67 | | | -.018 | | |
| .70 | .062 | .038 | | .070 | .043 | .70 | .110 | .075 | | .063 | .037 |
| .80 | .148 | | | .243 | .204 | .80 | .181 | | | .235 | .194 |
| .84 | | | -.301 | | | .84 | | | -.359 | | |
| .86 | | .227 | | | | .86 | | .243 | | | |
| .90 | | | | .290 | .253 | .90 | | | | .280 | .241 |
| .91 | .198 | | | | | .91 | .220 | | | | |
| .95 | .198 | .177 | .309 | .268 | .223 | .95 | .207 | .185 | .295 | .255 | .201 |

RUN = 532 POINT = 13

TABLE 105 CONTINUED

RUN = 532 POINT = 14

| (K) ALPHA = 10.10 DEGREES | | | | | | (L) ALPHA = 12.02 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.388 | -.415 | -.023 | .431 | .626 | 0.00 | -.497 | -.587 | -.207 | .291 | .554 |
| .05 | -.875 | -1.164 | -1.253 | -1.186 | -1.104 | .05 | -1.073 | -1.176 | -1.235 | -1.028 | -.666 |
| .10 | -.906 | -1.164 | -1.276 | -1.199 | -1.119 | .10 | -1.086 | -1.181 | -1.259 | -1.024 | -.631 |
| .20 | -.620 | -1.132 | -1.188 | -1.168 | -1.104 | .20 | -.760 | -1.189 | -1.214 | -.871 | -.597 |
| .30 | -.460 | -1.156 | -1.111 | -1.134 | -1.065 | .30 | -.447 | -1.259 | -1.154 | -.806 | -.576 |
| .40 | -.460 | -1.143 | -1.036 | -1.094 | -1.013 | .40 | -.463 | -1.293 | -1.053 | -.745 | -.568 |
| .50 | -.487 | -1.133 | -.823 | -.995 | -1.013 | .50 | -.504 | -1.310 | -.978 | -.689 | -.582 |
| .60 | -.498 | -1.102 | -.843 | -.817 | -.821 | .60 | -.532 | -1.269 | -1.055 | -.652 | -.546 |
| .67 | | | -.800 | | | .67 | | | -.880 | | |
| .70 | -.502 | -.935 | | -.680 | -.597 | .70 | -.539 | -1.284 | | -.610 | -.539 |
| .80 | -.461 | | | -.640 | -.525 | .80 | -.504 | | | -.616 | -.521 |
| .84 | | | -.074 | | | .84 | | | -.100 | | |
| .86 | | -.416 | | | | .86 | | -.487 | | | |
| .90 | | | | -.561 | -.498 | .90 | | | | -.592 | -.509 |
| .91 | -.443 | | | | | .91 | -.460 | | | | |
| .95 | -.456 | -.287 | -.566 | -.514 | -.464 | .95 | -.434 | -.249 | -.747 | -.580 | -.493 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .128 | .422 | .519 | .422 | .364 | .05 | .134 | .456 | .592 | .526 | .463 |
| .10 | .157 | .389 | .361 | .259 | .187 | .10 | .193 | .445 | .451 | .363 | .296 |
| .20 | .153 | .271 | .223 | .131 | .076 | .20 | .213 | .340 | .300 | .214 | .161 |
| .30 | .146 | .206 | .128 | .050 | .008 | .30 | .209 | .272 | .198 | .123 | .078 |
| .40 | .142 | .136 | .068 | .004 | -.056 | .40 | .204 | .203 | .139 | .069 | .005 |
| .50 | .157 | .077 | .009 | -.073 | -.099 | .50 | .213 | .141 | .069 | -.015 | -.046 |
| .60 | .150 | .056 | -.049 | -.131 | -.090 | .60 | .202 | .109 | .006 | -.082 | -.053 |
| .67 | | | .009 | | | .67 | | | .051 | | |
| .70 | .150 | .110 | | .054 | .040 | .70 | .196 | .148 | | .073 | .054 |
| .80 | .214 | | | .229 | .199 | .80 | .250 | | | .235 | .201 |
| .84 | | | -.415 | | | .84 | | | -.456 | | |
| .86 | | .267 | | | | .86 | | .297 | | | |
| .90 | | | | .282 | .239 | .90 | | | | .289 | .242 |
| .91 | .240 | | | | | .91 | .270 | | | | |
| .95 | .218 | .200 | .280 | .255 | .197 | .95 | .233 | .225 | .295 | .243 | .205 |

RUN = 532 POINT = 15

TABLE 105 CONCLUDED

| | | (M) ALPHA = .30 DEGREES | | | |
|------|-------|-------------------------|-------|-------|-------|
| | | ETA | ETA | ETA | ETA |
| | | .1902 | .2929 | .3809 | .5556 |
| | | .6711 | | | |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .272 | .616 | .769 | .694 |
| .05 | -.178 | -.233 | -.280 | -.393 | -.194 |
| .10 | -.217 | -.239 | -.401 | -.398 | -.230 |
| .20 | -.581 | -.296 | -.382 | -.336 | -.228 |
| .30 | -.226 | -.344 | -.405 | -.253 | -.242 |
| .40 | -.208 | -.299 | -.235 | -.208 | -.271 |
| .50 | -.224 | -.261 | -.225 | -.278 | -.276 |
| .60 | -.171 | -.175 | -.227 | -.321 | -.321 |
| .67 | | | -.224 | | |
| .70 | -.112 | -.182 | | -.364 | -.372 |
| .80 | -.077 | | | -.479 | -.494 |
| .84 | | | -.020 | | |
| .86 | | -.214 | | | |
| .90 | | | | -.217 | -.177 |
| .91 | -.086 | | | | |
| .95 | -.084 | -.099 | -.105 | -.041 | -.035 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.040 | -.163 | -.345 | -.497 | -.583 |
| .10 | -.095 | -.192 | -.381 | -.583 | -.710 |
| .20 | -.196 | -.237 | -.388 | -.574 | -.703 |
| .30 | -.263 | -.258 | -.415 | -.551 | -.686 |
| .40 | -.196 | -.276 | -.431 | -.583 | -.679 |
| .50 | -.149 | -.359 | -.508 | -.646 | -.633 |
| .60 | -.136 | -.325 | -.320 | -.131 | -.086 |
| .67 | | | -.077 | | |
| .70 | -.117 | -.059 | | .064 | .081 |
| .80 | .016 | | | .156 | .237 |
| .84 | | | -.251 | | |
| .86 | | .149 | | | |
| .90 | | | | .283 | .325 |
| .91 | .119 | | | | |
| .95 | .196 | .190 | .317 | .306 | .316 |

RUN = 540 POINT = 1

TABLE 106

WING PRESSURE COEFFICIENTS

RUN = 540 POINT = 2

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .030 | .311 | .610 | .714 | .552 | 0.00 | .022 | .275 | .570 | .736 | .641 |
| .05 | -.105 | -.169 | -.175 | -.150 | -.016 | .05 | -.162 | -.281 | -.357 | -.346 | -.185 |
| .10 | -.169 | -.177 | -.275 | -.178 | -.073 | .10 | -.213 | -.275 | -.403 | -.310 | -.185 |
| .20 | -.192 | -.196 | -.212 | -.184 | -.108 | .20 | -.234 | -.283 | -.291 | -.260 | -.191 |
| .30 | -.150 | -.227 | -.206 | -.178 | -.125 | .30 | -.201 | -.295 | -.278 | -.244 | -.200 |
| .40 | -.157 | -.198 | -.166 | -.174 | -.155 | .40 | -.195 | -.247 | -.208 | -.230 | -.213 |
| .50 | -.146 | -.172 | -.164 | -.184 | -.153 | .50 | -.191 | -.214 | -.212 | -.236 | -.206 |
| .60 | -.109 | -.141 | -.191 | -.202 | -.178 | .60 | -.150 | -.173 | -.222 | -.248 | -.219 |
| .67 | | | -.170 | | | .67 | | | -.212 | | |
| .70 | -.066 | -.147 | | -.234 | -.205 | .70 | -.090 | -.170 | | -.278 | -.240 |
| .80 | -.041 | | | -.271 | -.224 | .80 | -.070 | | | -.308 | -.253 |
| .84 | | | -.013 | | | .84 | | | -.025 | | |
| .86 | | -.131 | | | | .86 | | -.148 | | | |
| .90 | | | | -.222 | -.211 | .90 | | | | -.254 | -.240 |
| .91 | -.039 | | | | | .91 | -.055 | | | | |
| .95 | -.035 | -.087 | -.105 | -.102 | -.129 | .95 | -.049 | -.087 | -.119 | -.130 | -.149 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.068 | -.292 | -.599 | -.757 | -1.033 | .05 | -.031 | -.154 | -.384 | -.538 | -.689 |
| .10 | -.136 | -.271 | -.504 | -.702 | -.897 | .10 | -.109 | -.229 | -.380 | -.496 | -.629 |
| .20 | -.196 | -.311 | -.430 | -.476 | -.397 | .20 | -.166 | -.235 | -.322 | -.412 | -.381 |
| .30 | -.223 | -.302 | -.357 | -.361 | -.338 | .30 | -.193 | -.231 | -.310 | -.330 | -.285 |
| .40 | -.214 | -.288 | -.297 | -.333 | -.319 | .40 | -.181 | -.239 | -.264 | -.282 | -.292 |
| .50 | -.165 | -.254 | -.275 | -.248 | -.249 | .50 | -.137 | -.222 | -.238 | -.226 | -.228 |
| .60 | -.128 | -.177 | -.212 | -.176 | -.129 | .60 | -.111 | -.154 | -.190 | -.170 | -.123 |
| .67 | | | -.063 | | | .67 | | | -.058 | | |
| .70 | -.060 | -.015 | | .047 | .047 | .70 | -.049 | -.011 | | .065 | .050 |
| .80 | .057 | | | .175 | .135 | .80 | .063 | | | .226 | .161 |
| .84 | | | -.172 | | | .84 | | | -.140 | | |
| .86 | | .183 | | | | .86 | | .190 | | | |
| .90 | | | | .236 | .177 | .90 | | | | .284 | .207 |
| .91 | .142 | | | | | .91 | .141 | | | | |
| .95 | -.018 | .191 | .292 | .244 | .190 | .95 | .024 | .196 | .318 | .288 | .218 |

| (C) ALPHA = 1.08 DEGREES | | | | | | (D) ALPHA = 1.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .003 | .215 | .510 | .736 | .695 | 0.00 | -.011 | .161 | .428 | .724 | .737 |
| .05 | -.206 | -.432 | -.529 | -.531 | -.346 | .05 | -.253 | -.546 | -.727 | -.780 | -.526 |
| .10 | -.263 | -.373 | -.542 | -.423 | -.311 | .10 | -.306 | -.457 | -.704 | -.600 | -.427 |
| .20 | -.272 | -.354 | -.373 | -.340 | -.272 | .20 | -.311 | -.414 | -.431 | -.368 | -.349 |
| .30 | -.230 | -.354 | -.333 | -.300 | -.268 | .30 | -.263 | -.402 | -.375 | -.334 | -.305 |
| .40 | -.233 | -.291 | -.264 | -.278 | -.268 | .40 | -.267 | -.337 | -.289 | -.320 | -.289 |
| .50 | -.222 | -.252 | -.258 | -.280 | -.264 | .50 | -.253 | -.279 | -.279 | -.308 | -.295 |
| .60 | -.177 | -.196 | -.260 | -.284 | -.255 | .60 | -.197 | -.214 | -.275 | -.312 | -.272 |
| .67 | | | -.243 | | | .67 | | | -.254 | | |
| .70 | -.115 | -.196 | | -.302 | -.270 | .70 | -.133 | -.210 | | -.316 | -.279 |
| .80 | -.091 | | | -.328 | -.281 | .80 | -.094 | | | -.324 | -.282 |
| .84 | | | -.035 | | | .84 | | | -.025 | | |
| .86 | | -.154 | | | | .86 | | -.156 | | | |
| .90 | | | | -.262 | -.256 | .90 | | | | -.239 | -.253 |
| .91 | -.066 | | | | | .91 | -.069 | | | | |
| .95 | -.058 | -.089 | -.127 | -.134 | -.171 | .95 | -.057 | -.077 | -.112 | -.113 | -.162 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.006 | -.070 | -.224 | -.338 | -.391 | .05 | .029 | .022 | -.099 | -.185 | -.207 |
| .10 | -.070 | -.148 | -.278 | -.368 | -.437 | .10 | -.034 | -.071 | -.153 | -.243 | -.312 |
| .20 | -.138 | -.185 | -.246 | -.324 | -.338 | .20 | -.096 | -.114 | -.185 | -.233 | -.253 |
| .30 | -.156 | -.168 | -.252 | -.286 | -.260 | .30 | -.121 | -.120 | -.193 | -.219 | -.217 |
| .40 | -.156 | -.193 | -.234 | -.252 | -.247 | .40 | -.117 | -.141 | -.181 | -.205 | -.207 |
| .50 | -.115 | -.189 | -.210 | -.200 | -.203 | .50 | -.079 | -.160 | -.171 | -.161 | -.171 |
| .60 | -.086 | -.137 | -.176 | -.154 | -.118 | .60 | -.055 | -.106 | -.149 | -.133 | -.089 |
| .67 | | | -.048 | | | .67 | | | -.028 | | |
| .70 | -.033 | -.004 | | .072 | .055 | .70 | -.007 | .014 | | .085 | .074 |
| .80 | .073 | | | .248 | .197 | .80 | .097 | | | .261 | .226 |
| .84 | | | -.122 | | | .84 | | | -.117 | | |
| .86 | | .197 | | | | .86 | | .214 | | | |
| .90 | | | | .309 | .248 | .90 | | | | .324 | .284 |
| .91 | .149 | | | | | .91 | .165 | | | | |
| .95 | .067 | .197 | .322 | .294 | .246 | .95 | .103 | .206 | .332 | .306 | .276 |

RUN = 540 POINT = 5

TABLE 106 CONTINUED

RUN = 540 POINT = 6

| (E) ALPHA = 2.80 DEGREES | | | | | | (F) ALPHA = 3.30 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.051 | .070 | .351 | .664 | .736 | 0.00 | -.063 | .022 | .298 | .641 | .727 |
| .05 | -.311 | -.665 | -.996 | -1.026 | -.771 | .05 | -.343 | -.743 | -1.209 | -1.161 | -.983 |
| .10 | -.361 | -.601 | -.877 | -.895 | -.637 | .10 | -.382 | -.648 | -1.032 | -1.040 | -.823 |
| .20 | -.355 | -.502 | -.549 | -.405 | -.386 | .20 | -.376 | -.539 | -.681 | -.386 | -.394 |
| .30 | -.305 | -.480 | -.428 | -.383 | -.344 | .30 | -.323 | -.500 | -.437 | -.390 | -.368 |
| .40 | -.297 | -.399 | -.321 | -.359 | -.337 | .40 | -.319 | -.414 | -.335 | -.372 | -.354 |
| .50 | -.293 | -.313 | -.305 | -.333 | -.327 | .50 | -.315 | -.331 | -.318 | -.354 | -.360 |
| .60 | -.239 | -.246 | -.301 | -.333 | -.308 | .60 | -.259 | -.251 | -.310 | -.342 | -.315 |
| .67 | | | -.269 | | | .67 | | | -.270 | | |
| .70 | -.159 | -.232 | | -.331 | -.302 | .70 | -.179 | -.237 | | -.344 | -.309 |
| .80 | -.121 | | | -.327 | -.285 | .80 | -.121 | | | -.338 | -.290 |
| .84 | | | -.025 | | | .84 | | | -.030 | | |
| .86 | | -.159 | | | | .86 | | -.158 | | | |
| .90 | | | | -.231 | -.232 | .90 | | | | -.231 | -.235 |
| .91 | -.080 | | | | | .91 | -.084 | | | | |
| .95 | -.066 | -.077 | -.109 | -.106 | -.141 | .95 | -.071 | -.068 | -.103 | -.108 | -.130 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .043 | .103 | .043 | -.054 | -.078 | .05 | .066 | .146 | .089 | 0.000 | 0.000 |
| .10 | -.008 | .005 | -.074 | -.146 | -.177 | .10 | .006 | .062 | -.041 | -.110 | -.130 |
| .20 | -.062 | -.061 | -.136 | -.162 | -.190 | .20 | -.053 | -.026 | -.100 | -.132 | -.157 |
| .30 | -.093 | -.077 | -.152 | -.180 | -.175 | .30 | -.071 | -.066 | -.130 | -.144 | -.149 |
| .40 | -.095 | -.107 | -.146 | -.166 | -.165 | .40 | -.071 | -.089 | -.118 | -.146 | -.153 |
| .50 | -.055 | -.125 | -.146 | -.132 | -.141 | .50 | -.034 | -.112 | -.128 | -.124 | -.132 |
| .60 | -.037 | -.092 | -.134 | -.120 | -.078 | .60 | -.020 | -.072 | -.122 | -.107 | -.075 |
| .67 | | | -.022 | | | .67 | | | -.013 | | |
| .70 | .006 | .028 | | .086 | .071 | .70 | .016 | .031 | | .095 | .082 |
| .80 | .107 | | | .263 | .225 | .80 | .117 | | | .262 | .234 |
| .84 | | | -.128 | | | .84 | | | -.126 | | |
| .86 | | .222 | | | | .86 | | .225 | | | |
| .90 | | | | .324 | .282 | .90 | | | | .317 | .281 |
| .91 | .175 | | | | | .91 | .181 | | | | |
| .95 | .121 | .205 | .333 | .303 | .269 | .95 | .142 | .213 | .331 | .298 | .270 |

| (G) ALPHA = 3.75 DEGREES | | | | | | (H) ALPHA = 4.79 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.084 | -.025 | .235 | .602 | .722 | 0.00 | -.138 | -.152 | .161 | .537 | .681 |
| .05 | -.379 | -.828 | -1.295 | -1.228 | -1.112 | .05 | -.449 | -1.114 | -1.483 | -1.373 | -1.270 |
| .10 | -.418 | -.733 | -1.214 | -1.139 | -.997 | .10 | -.486 | -.891 | -1.439 | -1.371 | -1.222 |
| .20 | -.397 | -.601 | -.715 | -.743 | -.364 | .20 | -.447 | -.698 | -.990 | -1.228 | -1.110 |
| .30 | -.344 | -.579 | -.446 | -.362 | -.376 | .30 | -.389 | -.680 | -.601 | -.513 | -.334 |
| .40 | -.338 | -.462 | -.348 | -.366 | -.372 | .40 | -.383 | -.565 | -.362 | -.330 | -.345 |
| .50 | -.336 | -.350 | -.325 | -.362 | -.368 | .50 | -.389 | -.396 | -.322 | -.326 | -.347 |
| .60 | -.272 | -.268 | -.310 | -.350 | -.326 | .60 | -.315 | -.300 | -.304 | -.326 | -.320 |
| .67 | | | -.277 | | | .67 | | | -.262 | | |
| .70 | -.189 | -.246 | | -.344 | -.315 | .70 | -.233 | -.256 | | -.322 | -.311 |
| .80 | -.134 | | | -.332 | -.286 | .80 | -.163 | | | -.310 | -.284 |
| .84 | | | -.031 | | | .84 | | | -.026 | | |
| .86 | | -.156 | | | | .86 | | -.147 | | | |
| .90 | | | | -.228 | -.229 | .90 | | | | -.218 | -.227 |
| .91 | -.090 | | | | | .91 | -.101 | | | | |
| .95 | -.074 | -.070 | -.104 | -.110 | -.126 | .95 | -.080 | -.059 | -.084 | -.104 | -.130 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .073 | .174 | .152 | .074 | .072 | .05 | .088 | .238 | .252 | .180 | .158 |
| .10 | .028 | .106 | .012 | -.061 | -.088 | .10 | .055 | .163 | .098 | .026 | .012 |
| .20 | -.031 | -0.000 | -.063 | -.102 | -.103 | .20 | .001 | .059 | -.007 | -.031 | -.039 |
| .30 | -.058 | -.033 | -.106 | -.120 | -.114 | .30 | -.023 | .013 | -.059 | -.069 | -.067 |
| .40 | -.058 | -.068 | -.124 | -.128 | -.122 | .40 | -.018 | -.032 | -.079 | -.075 | -.079 |
| .50 | -.018 | -.087 | -.110 | -.109 | -.111 | .50 | .007 | -.049 | -.073 | -.075 | -.077 |
| .60 | -.008 | -.064 | -.108 | -.090 | -.057 | .60 | .018 | -.034 | -.081 | -.075 | -.039 |
| .67 | | | -.007 | | | .67 | | | .008 | | |
| .70 | .032 | .045 | | .102 | .087 | .70 | .051 | .061 | | .111 | .097 |
| .80 | .123 | | | .274 | .239 | .80 | .141 | | | .280 | .246 |
| .84 | | | -.128 | | | .84 | | | -.120 | | |
| .86 | | .227 | | | | .86 | | .247 | | | |
| .90 | | | | .329 | .287 | .90 | | | | .337 | .291 |
| .91 | .187 | | | | | .91 | .199 | | | | |
| .95 | .156 | .212 | .331 | .304 | .272 | .95 | .168 | .211 | .329 | .322 | .278 |

RUN = 540 POINT = 9

TABLE 106 CONTINUED

RUN = 540 POINT = 10

| (I) ALPHA = 5.84 DEGREES | | | | | | (J) ALPHA = 7.74 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.189 | -.284 | .047 | .451 | .647 | 0.00 | -.302 | -.475 | -.131 | .337 | .565 |
| .05 | -.531 | -1.338 | -1.603 | -1.469 | -1.373 | .05 | -.722 | -1.527 | -1.440 | -.947 | -1.456 |
| .10 | -.546 | -1.171 | -1.559 | -1.453 | -1.394 | .10 | -.693 | -1.516 | -1.400 | -.867 | -1.381 |
| .20 | -.496 | -.777 | -1.486 | -1.348 | -1.260 | .20 | -.582 | -1.195 | -1.213 | -.744 | -.950 |
| .30 | -.434 | -.748 | -.869 | -.953 | -1.025 | .30 | -.496 | -.906 | -1.056 | -.660 | -.647 |
| .40 | -.426 | -.648 | -.387 | -.465 | -.341 | .40 | -.494 | -.587 | -.933 | -.581 | -.541 |
| .50 | -.434 | -.456 | -.314 | -.338 | -.332 | .50 | -.502 | -.416 | -.802 | -.523 | -.528 |
| .60 | -.362 | -.318 | -.300 | -.304 | -.282 | .60 | -.417 | -.351 | -.704 | -.455 | -.379 |
| .67 | | | -.254 | | | .67 | | | -.595 | | |
| .70 | -.273 | -.260 | | -.282 | -.271 | .70 | -.313 | -.308 | | -.394 | -.322 |
| .80 | -.201 | | | -.266 | -.252 | .80 | -.243 | | | -.340 | -.260 |
| .84 | | | -.023 | | | .84 | | | -.074 | | |
| .86 | | -.131 | | | | .86 | | -.162 | | | |
| .90 | | | | -.173 | -.206 | .90 | | | | -.306 | -.182 |
| .91 | -.133 | | | | | .91 | -.169 | | | | |
| .95 | -.108 | -.050 | -.081 | -.091 | -.118 | .95 | -.142 | -.074 | -.276 | -.282 | -.144 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .289 | .336 | .260 | .253 | .05 | .112 | .360 | .437 | .359 | .320 |
| .10 | .085 | .212 | .171 | .109 | .087 | .10 | .121 | .270 | .268 | .198 | .151 |
| .20 | .035 | .101 | .059 | .027 | .009 | .20 | .092 | .179 | .140 | .078 | .054 |
| .30 | .019 | .056 | -.006 | -.023 | -.027 | .30 | .079 | .129 | .062 | .014 | -.004 |
| .40 | .012 | .008 | -.035 | -.031 | -.050 | .40 | .063 | .064 | .028 | -.011 | -.049 |
| .50 | .043 | -.012 | -.039 | -.049 | -.050 | .50 | .081 | .022 | -.013 | -.061 | -.064 |
| .60 | .045 | -.008 | -.053 | -.053 | -.019 | .60 | .086 | .024 | -.045 | -.091 | -.043 |
| .67 | | | .025 | | | .67 | | | .030 | | |
| .70 | .072 | .074 | | .123 | .111 | .70 | .098 | .089 | | .066 | .068 |
| .80 | .159 | | | .285 | .254 | .80 | .174 | | | .229 | .223 |
| .84 | | | -.109 | | | .84 | | | -.150 | | |
| .86 | | .249 | | | | .86 | | .258 | | | |
| .90 | | | | .348 | .294 | .90 | | | | .280 | .269 |
| .91 | .212 | | | | | .91 | .221 | | | | |
| .95 | .181 | .214 | .332 | .323 | .285 | .95 | .188 | .206 | .302 | .261 | .246 |

RUN = 540 POINT = 11

TABLE 106 CONTINUED

RUN = 540 POINT = 12

| (K) ALPHA = 9.62 DEGREES | | | | | | (L) ALPHA = 11.51 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|--------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.450 | -.688 | -.329 | .230 | .523 | 0.00 | -.612 | -.912 | -.458 | .124 | -.491 |
| .05 | -.934 | -1.594 | -1.143 | -.744 | -.909 | .05 | -1.124 | -1.566 | -1.026 | -.674 | -.464 |
| .10 | -.839 | -1.603 | -1.050 | -.722 | -.934 | .10 | -.971 | -1.479 | -.955 | -.672 | -.454 |
| .20 | -.667 | -1.507 | -.979 | -.693 | -.718 | .20 | -.718 | -1.315 | -.930 | -.636 | -.449 |
| .30 | -.561 | -1.372 | -.941 | -.641 | -.622 | .30 | -.626 | -1.198 | -.905 | -.617 | -.433 |
| .40 | -.584 | -1.038 | -.886 | -.604 | -.566 | .40 | -.609 | -1.130 | -.866 | -.597 | -.424 |
| .50 | -.568 | -.558 | -.834 | -.553 | -.622 | .50 | -.503 | -1.042 | -.822 | -.571 | -.412 |
| .60 | -.441 | -.432 | -.794 | -.521 | -.432 | .60 | -.482 | -.928 | -.791 | -.555 | -.399 |
| .67 | | | -.749 | | | .67 | | | -.747 | | |
| .70 | -.381 | -.459 | | -.466 | -.384 | .70 | -.431 | -.783 | | -.525 | -.392 |
| .80 | -.336 | | | -.454 | -.342 | .80 | -.400 | | | -.501 | -.390 |
| .84 | | | -.136 | | | .84 | | | -.151 | | |
| .86 | | -.276 | | | | .86 | | -.587 | | | |
| .90 | | | | -.397 | -.302 | .90 | | | | -.481 | -.388 |
| .91 | -.243 | | | | | .91 | -.344 | | | | |
| .95 | -.189 | -.245 | -.552 | -.389 | -.294 | .95 | -.301 | -.469 | -.633 | -.455 | -.371 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .114 | .392 | .517 | .428 | .382 | .05 | .095 | .417 | .566 | .500 | .431 |
| .10 | .148 | .319 | .358 | .271 | .204 | .10 | .171 | .357 | .414 | .336 | .258 |
| .20 | .148 | .248 | .214 | .127 | .093 | .20 | .189 | .305 | .276 | .184 | .131 |
| .30 | .127 | .180 | .113 | .055 | .028 | .30 | .179 | .232 | .180 | .092 | .051 |
| .40 | .127 | .122 | .069 | .004 | -.042 | .40 | .171 | .160 | .106 | .036 | -.014 |
| .50 | .125 | .061 | .004 | -.062 | -.071 | .50 | .167 | .103 | .036 | -.045 | -.067 |
| .60 | .112 | .054 | -.041 | -.111 | -.059 | .60 | .159 | .074 | -.023 | -.097 | -.079 |
| .67 | | | .006 | | | .67 | | | .014 | | |
| .70 | .125 | .103 | | .039 | .045 | .70 | .150 | .112 | | .036 | .015 |
| .80 | .189 | | | .208 | .198 | .80 | .206 | | | .205 | .158 |
| .84 | | | -.270 | | | .84 | | | -.379 | | |
| .86 | | .248 | | | | .86 | | .236 | | | |
| .90 | | | | .265 | .238 | .90 | | | | .252 | .188 |
| .91 | .222 | | | | | .91 | .228 | | | | |
| .95 | .197 | .168 | .238 | .225 | .206 | .95 | .206 | .133 | .214 | .205 | .146 |

RUN = 540 POINT = 13

TABLE 106 CONCLUDED

| | (M) ALPHA = .25 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .022 | .267 | .563 | .745 | .638 |
| .05 | -.159 | -.285 | -.340 | -.337 | -.188 |
| .10 | -.223 | -.274 | -.384 | -.303 | -.205 |
| .20 | -.233 | -.283 | -.288 | -.271 | -.199 |
| .30 | -.196 | -.301 | -.274 | -.247 | -.195 |
| .40 | -.192 | -.251 | -.213 | -.231 | -.212 |
| .50 | -.190 | -.219 | -.213 | -.245 | -.216 |
| .60 | -.146 | -.173 | -.230 | -.253 | -.223 |
| .67 | | | -.211 | | |
| .70 | -.097 | -.178 | | -.275 | -.244 |
| .80 | -.068 | | | -.307 | -.263 |
| .84 | | | -.017 | | |
| .86 | | -.138 | | | |
| .90 | | | | -.247 | -.235 |
| .91 | -.052 | | | | |
| .95 | -.047 | -.092 | -.121 | -.131 | -.155 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.037 | -.153 | -.371 | -.551 | -.645 |
| .10 | -.101 | .144 | -.377 | -.508 | -.645 |
| .20 | -.169 | -.234 | -.329 | -.394 | -.385 |
| .30 | -.180 | -.213 | -.301 | -.331 | -.280 |
| .40 | -.184 | -.230 | -.267 | -.283 | -.290 |
| .50 | -.130 | -.226 | -.233 | -.225 | -.233 |
| .60 | -.107 | -.161 | -.193 | -.167 | -.125 |
| .67 | | | -.056 | | |
| .70 | -.049 | -.011 | | .063 | .050 |
| .80 | .067 | | | .221 | .164 |
| .84 | | | -.269 | | |
| .86 | | .194 | | | |
| .90 | | | | .291 | .209 |
| .91 | .144 | | | | |
| .95 | .185 | .203 | .318 | .287 | .223 |

RUN = 539 POINT = 1

TABLE 107

WING PRESSURE COEFFICIENTS

RUN = 539 POINT = 2

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .019 | .304 | .629 | .746 | .618 | 0.00 | .009 | .275 | .599 | .765 | .680 |
| .05 | -.115 | -.159 | -.145 | -.163 | -.045 | .05 | -.153 | .275 | .593 | .759 | -.182 |
| .10 | -.168 | -.168 | -.249 | -.192 | -.105 | .10 | -.210 | -.267 | -.301 | -.359 | -.210 |
| .20 | -.195 | -.204 | -.219 | -.198 | -.140 | .20 | -.235 | -.260 | -.427 | -.322 | -.210 |
| .30 | -.164 | -.242 | -.219 | -.202 | -.160 | .30 | -.195 | -.307 | -.375 | -.292 | -.235 |
| .40 | -.157 | -.203 | -.172 | -.202 | -.206 | .40 | -.199 | -.291 | -.301 | -.272 | -.240 |
| .50 | -.160 | -.180 | -.188 | -.226 | -.206 | .50 | -.203 | -.222 | -.204 | -.242 | -.268 |
| .60 | -.120 | -.147 | -.207 | -.252 | -.243 | .60 | -.165 | -.171 | -.228 | -.270 | -.267 |
| .67 | | | -.203 | | | .67 | | | -.264 | | |
| .70 | -.069 | -.162 | | -.265 | -.278 | .70 | -.165 | -.191 | | -.315 | -.275 |
| .80 | -.052 | | | -.335 | -.341 | .80 | -.102 | | | -.350 | -.307 |
| .84 | | | -.025 | | | .84 | | | -.233 | | |
| .86 | | -.169 | | | | .86 | | -.173 | | | |
| .90 | | | | -.242 | -.213 | .90 | | | | -.346 | -.420 |
| .91 | -.059 | | | | | .91 | -.074 | | | | |
| .95 | -.058 | -.093 | -.109 | -.090 | -.123 | .95 | -.070 | -.086 | -.028 | -.255 | -.196 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.082 | -.294 | -.554 | -.691 | -.789 | .05 | -.064 | -.181 | -.391 | -.095 | -.111 |
| .10 | -.145 | -.050 | -.539 | -.814 | -.908 | .10 | -.043 | -.096 | -.389 | -.555 | -.655 |
| .20 | -.220 | -.331 | -.502 | -.747 | -.891 | .20 | -.106 | -.096 | -.400 | -.631 | -.787 |
| .30 | -.256 | -.341 | -.491 | -.662 | -.845 | .30 | -.186 | -.243 | -.406 | -.564 | -.711 |
| .40 | -.246 | -.350 | -.487 | -.663 | -.794 | .40 | -.220 | -.245 | -.400 | -.512 | -.658 |
| .50 | -.195 | -.416 | -.435 | -.239 | -.116 | .50 | -.203 | -.286 | -.313 | -.492 | -.210 |
| .60 | -.178 | -.284 | -.257 | -.147 | -.058 | .60 | -.146 | -.338 | -.246 | -.164 | -.210 |
| .67 | | | -.064 | | | .67 | | | -.062 | | |
| .70 | -.126 | -.046 | | .089 | .079 | .70 | -.132 | -.220 | | .090 | -.106 |
| .80 | .010 | | | .228 | .210 | .80 | -.083 | | | .249 | .074 |
| .84 | | | -.176 | | | .84 | | | -.153 | | |
| .86 | | .148 | | | | .86 | | -.030 | | | |
| .90 | | | | .295 | .261 | .90 | | | | .314 | .196 |
| .91 | .115 | | | | | .91 | .038 | | | | |
| .95 | .151 | .181 | .310 | .297 | .249 | .95 | .134 | .175 | -.153 | .308 | .257 |

RUN = 539 POINT = 3

TABLE 107 CONTINUED

RUN = 539 POINT = 4

| (C) ALPHA = 1.13 DEGREES | | | | | | (D) ALPHA = 1.99 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.005 | .234 | .553 | .755 | .716 | 0.00 | -.027 | .183 | .503 | .743 | .737 |
| .05 | -.200 | -.373 | -.455 | -.578 | -.369 | .05 | -.250 | -.461 | -.704 | -.680 | -.606 |
| .10 | -.246 | -.343 | -.524 | -.586 | -.341 | .10 | -.305 | -.457 | -.687 | -.736 | -.634 |
| .20 | -.276 | -.373 | -.478 | -.421 | -.314 | .20 | -.318 | -.438 | -.596 | -.686 | -.571 |
| .30 | -.235 | -.395 | -.474 | -.258 | -.307 | .30 | -.271 | -.469 | -.615 | -.593 | -.348 |
| .40 | -.233 | -.343 | -.243 | -.284 | -.320 | .40 | -.272 | -.464 | -.378 | -.289 | -.244 |
| .50 | -.254 | -.299 | -.247 | -.317 | -.320 | .50 | -.299 | -.361 | -.326 | -.207 | -.235 |
| .60 | -.199 | -.199 | -.262 | -.352 | -.357 | .60 | -.261 | -.268 | -.297 | -.300 | -.383 |
| .67 | | | -.253 | | | .67 | | | -.268 | | |
| .70 | -.136 | -.205 | | -.398 | -.358 | .70 | -.183 | -.233 | | -.365 | -.415 |
| .80 | -.094 | | | -.376 | -.320 | .80 | -.124 | | | -.413 | -.439 |
| .84 | | | -.031 | | | .84 | | | -.027 | | |
| .86 | | -.178 | | | | .86 | | -.175 | | | |
| .90 | | | | -.222 | -.214 | .90 | | | | -.261 | -.162 |
| .91 | -.083 | | | | | .91 | -.094 | | | | |
| .95 | -.073 | -.079 | -.112 | -.072 | -.126 | .95 | -.075 | -.062 | -.103 | -.085 | -.070 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.012 | -.064 | -.207 | -.369 | -.474 | .05 | .012 | .022 | -.087 | -.224 | -.239 |
| .10 | -.077 | -.081 | -.272 | -.456 | -.599 | .10 | -.041 | -.039 | -.161 | -.317 | -.427 |
| .20 | -.151 | -.179 | -.300 | -.411 | -.499 | .20 | -.115 | -.118 | -.218 | -.322 | -.337 |
| .30 | -.179 | -.178 | -.324 | -.387 | -.376 | .30 | -.138 | -.138 | -.243 | -.307 | -.286 |
| .40 | -.166 | -.220 | -.300 | -.426 | -.260 | .40 | -.130 | -.175 | -.243 | -.306 | -.242 |
| .50 | -.122 | -.243 | -.265 | -.211 | -.218 | .50 | -.084 | -.206 | -.220 | -.198 | -.190 |
| .60 | -.102 | -.172 | -.226 | -.162 | -.112 | .60 | -.071 | -.145 | -.191 | -.144 | -.098 |
| .67 | | | -.050 | | | .67 | | | -.037 | | |
| .70 | -.054 | -.016 | | .092 | .074 | .70 | -.029 | .003 | | .102 | .078 |
| .80 | .067 | | | .253 | .201 | .80 | .086 | | | .265 | .227 |
| .84 | | | -.146 | | | .84 | | | -.142 | | |
| .86 | | .197 | | | | .86 | | .212 | | | |
| .90 | | | | .313 | .262 | .90 | | | | .321 | .288 |
| .91 | .152 | | | | | .91 | .167 | | | | |
| .95 | .147 | .203 | .335 | .309 | .267 | .95 | .154 | .214 | .343 | .314 | .278 |

RUN = 539 POINT = 5

TABLE 107 CONTINUED

RUN = 539 POINT = 6

| (E) ALPHA = 2.94 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|--------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.047 | .114 | .450 | .722 | .742 | 0.00 | -.060 | .074 | .396 | .708 | .743 |
| .05 | -.323 | -.641 | -.911 | -.791 | -.715 | .05 | -.350 | -.745 | -.958 | -.836 | -.749 |
| .10 | -.371 | -.578 | -.852 | -.860 | -.756 | .10 | -.403 | -.640 | -.956 | -.894 | -.794 |
| .20 | -.354 | -.496 | -.719 | -.819 | -.749 | .20 | -.371 | -.523 | -.796 | -.855 | -.777 |
| .30 | -.310 | -.521 | -.680 | -.788 | -.719 | .30 | -.324 | -.560 | -.706 | -.842 | -.759 |
| .40 | -.304 | -.542 | -.546 | -.736 | -.699 | .40 | -.325 | -.566 | -.604 | -.801 | -.758 |
| .50 | -.344 | -.453 | -.505 | -.669 | -.715 | .50 | -.352 | -.491 | -.566 | -.781 | -.752 |
| .60 | -.310 | -.353 | -.380 | -.257 | -.413 | .60 | -.339 | -.414 | -.462 | -.686 | -.683 |
| .67 | | | -.305 | | | .67 | | | -.360 | | |
| .70 | -.247 | -.309 | | -.273 | -.210 | .70 | -.276 | -.333 | | -.243 | -.338 |
| .80 | -.177 | | | -.348 | -.248 | .80 | -.200 | | | -.293 | -.154 |
| .84 | | | -.020 | | | .84 | | | -.020 | | |
| .86 | | -.174 | | | | .86 | | -.179 | | | |
| .90 | | | | -.240 | -.222 | .90 | | | | -.211 | -.174 |
| .91 | -.123 | | | | | .91 | -.141 | | | | |
| .95 | -.093 | -.051 | -.084 | -.088 | -.141 | .95 | -.107 | -.054 | -.078 | -.080 | -.116 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .043 | .088 | .009 | -.099 | -.113 | .05 | .055 | .138 | .084 | -.048 | -.039 |
| .10 | -.011 | .019 | -.075 | -.205 | -.262 | .10 | .004 | .069 | -.041 | -.156 | -.193 |
| .20 | -.081 | -.051 | -.153 | -.223 | -.243 | .20 | -.056 | -.024 | -.122 | -.186 | -.195 |
| .30 | -.108 | -.080 | -.183 | -.236 | -.219 | .30 | -.090 | -.054 | -.152 | -.197 | -.186 |
| .40 | -.095 | -.118 | -.183 | -.240 | -.194 | .40 | -.075 | -.099 | -.152 | -.215 | -.167 |
| .50 | -.057 | -.151 | -.188 | -.164 | -.150 | .50 | -.031 | -.129 | -.163 | -.147 | -.132 |
| .60 | -.036 | -.107 | -.164 | -.126 | -.068 | .60 | -.028 | -.099 | -.156 | -.109 | -.053 |
| .67 | | | -.030 | | | .67 | | | -.021 | | |
| .70 | -0.000 | .013 | | .114 | .101 | .70 | .009 | .025 | | .126 | .112 |
| .80 | .106 | | | .283 | .247 | .80 | .114 | | | .290 | .258 |
| .84 | | | -.144 | | | .84 | | | -.137 | | |
| .86 | | .223 | | | | .86 | | .231 | | | |
| .90 | | | | .339 | .303 | .90 | | | | .346 | .314 |
| .91 | .176 | | | | | .91 | .187 | | | | |
| .95 | .163 | .215 | .339 | .336 | .297 | .95 | .169 | .215 | .340 | .335 | .307 |

RUN = 539 POINT = 7

TABLE 107 CONTINUED

RUN = 539 POINT = 8

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.081 | .039 | .377 | .696 | .737 | 0.00 | -.123 | -.041 | .302 | .654 | .727 |
| .05 | -.392 | -.837 | -1.029 | -.882 | -.791 | .05 | -.465 | -1.039 | -1.145 | -.970 | -.879 |
| .10 | -.433 | -.725 | -1.045 | -.938 | -.843 | .10 | -.486 | -.946 | -1.178 | -1.015 | -.932 |
| .20 | -.413 | -.569 | -.908 | -.919 | -.831 | .20 | -.458 | -.646 | -1.098 | -.996 | -.911 |
| .30 | -.338 | -.579 | -.743 | -.893 | -.814 | .30 | -.359 | -.639 | -.959 | -.985 | -.898 |
| .40 | -.346 | -.596 | -.672 | -.871 | -.803 | .40 | -.376 | -.670 | -.721 | -.955 | -.891 |
| .50 | -.373 | -.534 | -.619 | -.851 | -.801 | .50 | -.404 | -.595 | -.684 | -.966 | -.886 |
| .60 | -.361 | -.467 | -.531 | -.799 | -.771 | .60 | -.397 | -.566 | -.680 | -.914 | -.851 |
| .67 | | | -.432 | | | .67 | | | -.546 | | |
| .70 | -.315 | -.391 | | -.513 | -.726 | .70 | -.366 | -.488 | | -.888 | -.807 |
| .80 | -.234 | | | -.247 | -.231 | .80 | -.300 | | | -.442 | -.447 |
| .84 | | | -.026 | | | .84 | | | -.028 | | |
| .86 | | -.186 | | | | .86 | | -.202 | | | |
| .90 | | | | -.186 | -.105 | .90 | | | | -.134 | -.161 |
| .91 | -.163 | | | | | .91 | -.226 | | | | |
| .95 | -.131 | -.059 | -.082 | -.071 | -.063 | .95 | -.190 | -.086 | -.092 | -.056 | -.043 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .176 | .126 | -.004 | -.005 | .05 | .085 | .230 | .229 | .107 | .086 |
| .10 | .017 | .108 | 0.000 | -.106 | -.145 | .10 | .053 | .159 | .091 | -.025 | -.061 |
| .20 | -.045 | .006 | -.084 | -.156 | -.166 | .20 | -.009 | .051 | -.021 | -.086 | -.106 |
| .30 | -.068 | -.034 | -.129 | -.182 | -.168 | .30 | -.028 | .014 | -.073 | -.117 | -.113 |
| .40 | -.057 | -.082 | -.143 | -.197 | -.152 | .40 | -.020 | -.039 | -.114 | -.134 | -.122 |
| .50 | -.024 | -.115 | -.147 | -.142 | -.122 | .50 | .009 | -.074 | -.108 | -.114 | -.106 |
| .60 | -.015 | -.082 | -.143 | -.108 | -.045 | .60 | .013 | -.057 | -.119 | -.094 | -.045 |
| .67 | | | -.025 | | | .67 | | | -.014 | | |
| .70 | .019 | .031 | | .126 | .115 | .70 | .041 | .045 | | .129 | .103 |
| .80 | .118 | | | .290 | .259 | .80 | .140 | | | .296 | .252 |
| .84 | | | -.153 | | | .84 | | | -.162 | | |
| .86 | | .228 | | | | .86 | | .234 | | | |
| .90 | | | | .357 | .313 | .90 | | | | .395 | .299 |
| .91 | .186 | | | | | .91 | .195 | | | | |
| .95 | .173 | .205 | .331 | .331 | .308 | .95 | .182 | .205 | .333 | .338 | .280 |

RUN = 539 POINT = 9

TABLE 107 CONTINUED

RUN = 539 POINT = 10

| (I) ALPHA = 6.05 DEGREES | | | | | | (J) ALPHA = 8.05 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.138 | .217 | .602 | .708 | 0.00 | -.282 | -.295 | .051 | .475 | .649 |
| .05 | -.534 | -1.191 | -1.229 | -1.057 | -.973 | .05 | -.700 | -1.279 | -1.372 | -1.207 | -1.115 |
| .10 | -.561 | -1.114 | -1.269 | -1.086 | -1.019 | .10 | -.687 | -1.258 | -1.354 | -1.231 | -1.148 |
| .20 | -.504 | -.731 | -1.202 | -1.073 | -.994 | .20 | -.585 | -1.127 | -1.331 | -1.204 | -1.108 |
| .30 | -.388 | -.680 | -1.157 | -1.064 | -.975 | .30 | -.458 | -1.040 | -1.281 | -1.163 | -1.038 |
| .40 | -.400 | -.698 | -.913 | -1.038 | -.962 | .40 | -.458 | -.912 | -1.113 | -1.120 | -.851 |
| .50 | -.434 | -.638 | -.734 | -1.031 | -.961 | .50 | -.496 | -.769 | -.961 | -.924 | -.855 |
| .60 | -.428 | -.632 | -.730 | -.981 | -.870 | .60 | -.507 | -.704 | -.885 | -.648 | -.463 |
| .67 | | | -.665 | | | .67 | | | -.690 | | |
| .70 | -.421 | -.563 | | -.864 | -.501 | .70 | -.511 | -.656 | | -.522 | -.390 |
| .80 | -.358 | | | -.461 | -.305 | .80 | -.460 | | | -.459 | -.348 |
| .84 | | | -.042 | | | .84 | | | -.090 | | |
| .86 | | -.246 | | | | .86 | | -.279 | | | |
| .90 | | | | -.281 | -.201 | .90 | | | | -.407 | -.296 |
| .91 | -.303 | | | | | .91 | -.415 | | | | |
| .95 | -.233 | -.117 | -.113 | -.201 | -.168 | .95 | -.350 | -.140 | -.287 | -.370 | -.284 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .297 | .312 | .205 | .173 | .05 | .121 | .362 | .439 | .333 | .290 |
| .10 | .090 | .217 | .159 | .055 | .018 | .10 | .121 | .275 | .274 | .171 | .120 |
| .20 | .035 | .109 | .048 | -.029 | -.047 | .20 | .095 | .190 | .136 | .058 | .025 |
| .30 | .012 | .057 | -.027 | -.066 | -.079 | .30 | .084 | .132 | .053 | -.003 | -.034 |
| .40 | .022 | .005 | -.073 | -.092 | -.107 | .40 | .076 | .073 | .012 | -.039 | -.081 |
| .50 | .044 | -.038 | -.075 | -.090 | -.107 | .50 | .099 | .019 | -.026 | -.081 | -.109 |
| .60 | .048 | -.034 | -.101 | -.091 | -.073 | .60 | .097 | .013 | -.063 | -.109 | -.097 |
| .67 | | | .005 | | | .67 | | | .012 | | |
| .70 | .071 | .057 | | .117 | .062 | .70 | .110 | .080 | | .075 | .032 |
| .80 | .160 | | | .285 | .216 | .80 | .180 | | | .244 | .182 |
| .84 | | | -.188 | | | .84 | | | -.261 | | |
| .86 | | .247 | | | | .86 | | .250 | | | |
| .90 | | | | .334 | .258 | .90 | | | | .288 | .222 |
| .91 | .211 | | | | | .91 | .223 | | | | |
| .95 | .194 | .194 | .327 | .320 | .229 | .95 | .199 | .192 | .307 | .258 | .182 |

RUN = 539 POINT = 11

TABLE 107 CONTINUED

RUN = 539 POINT = 12

| (K) ALPHA = 9.85 DEGREES | | | | | | (L) ALPHA = 11.76 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.403 | -.473 | -.082 | .386 | .597 | 0.00 | -.532 | -.653 | -.261 | .263 | .539 |
| .05 | -.870 | -1.289 | -1.060 | -.796 | -1.226 | .05 | -1.091 | -1.303 | -1.021 | -.661 | -.617 |
| .10 | -.859 | -1.292 | -1.056 | -.729 | -1.147 | .10 | -1.061 | -1.303 | -.973 | -.655 | -.582 |
| .20 | -.668 | -1.254 | -1.008 | -.711 | -1.047 | .20 | -.749 | -1.303 | -.866 | -.652 | -.570 |
| .30 | -.505 | -1.245 | -.937 | -.670 | -.706 | .30 | -.513 | -1.356 | -.816 | -.639 | -.536 |
| .40 | -.511 | -1.168 | -.829 | -.637 | -.474 | .40 | -.517 | -1.134 | -.793 | -.630 | -.517 |
| .50 | -.543 | -1.037 | -.772 | -.589 | -.531 | .50 | -.562 | -.923 | -.768 | -.618 | -.517 |
| .60 | -.552 | -.814 | -.739 | -.539 | -.474 | .60 | -.585 | -.862 | -.743 | -.605 | -.477 |
| .67 | | | -.701 | | | .67 | | | -.732 | | |
| .70 | -.511 | -.735 | | -.526 | -.427 | .70 | -.315 | -.787 | | -.591 | -.472 |
| .80 | -.327 | | | -.487 | -.397 | .80 | -.235 | | | -.576 | -.465 |
| .84 | | | -.126 | | | .84 | | | -.132 | | |
| .86 | | -.476 | | | | .86 | | -.667 | | | |
| .90 | | | | -.461 | -.330 | .90 | | | | -.555 | -.445 |
| .91 | -.382 | | | | | .91 | -.381 | | | | |
| .95 | -.348 | -.434 | -.593 | -.437 | -.313 | .95 | -.358 | -.628 | -.661 | -.539 | -.437 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .130 | .416 | .513 | .423 | .308 | .05 | .123 | .440 | .580 | .501 | .438 |
| .10 | .158 | .336 | .353 | .257 | .173 | .10 | .185 | .375 | .432 | .335 | .269 |
| .20 | .152 | .257 | .216 | .120 | .067 | .20 | .200 | .318 | .287 | .193 | .134 |
| .30 | .141 | .182 | .120 | .037 | -0.000 | .30 | .193 | .247 | .178 | .091 | .054 |
| .40 | .133 | .121 | .064 | -.016 | -.061 | .40 | .183 | .178 | .115 | .032 | -.020 |
| .50 | .141 | .071 | 0.000 | -.084 | -.103 | .50 | .193 | .117 | .039 | -.050 | -.081 |
| .60 | .130 | .050 | -.055 | -.136 | -.096 | .60 | .178 | .087 | -.026 | -.113 | -.090 |
| .67 | | | .002 | | | .67 | | | .015 | | |
| .70 | .135 | .098 | | .039 | .022 | .70 | .170 | .119 | | .043 | .014 |
| .80 | .200 | | | .221 | .166 | .80 | .225 | | | .220 | .160 |
| .84 | | | -.333 | | | .84 | | | -.393 | | |
| .86 | | .247 | | | | .86 | | .253 | | | |
| .90 | | | | .276 | .175 | .90 | | | | .267 | .190 |
| .91 | .232 | | | | | .91 | .246 | | | | |
| .95 | .211 | .165 | .258 | .236 | .126 | .95 | .221 | .152 | .255 | .237 | .148 |

RUN = 539 POINT = 14

TABLE 107 CONCLUDED

| | (M) ALPHA = .24 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .270 | .590 | .756 | .682 |
| .05 | -.162 | -.269 | -.330 | -.368 | -.213 |
| .10 | -.214 | -.265 | -.425 | -.333 | -.204 |
| .20 | -.241 | -.271 | -.388 | -.290 | -.227 |
| .30 | -.205 | -.346 | -.303 | -.287 | -.239 |
| .40 | -.201 | -.294 | -.214 | -.255 | -.270 |
| .50 | -.216 | -.226 | -.247 | -.277 | -.272 |
| .60 | -.158 | -.185 | -.268 | -.316 | -.269 |
| .67 | | | -.239 | | |
| .70 | -.101 | -.199 | | -.364 | -.305 |
| .80 | -.075 | | | -.353 | -.431 |
| .84 | | | -.031 | | |
| .86 | | -.187 | | | |
| .90 | | | | -.263 | -.202 |
| .91 | -.073 | | | | |
| .95 | -.065 | -.095 | -.118 | -.095 | -.113 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.043 | -.172 | -.366 | -.547 | -.658 |
| .10 | -.111 | .007 | -.403 | -.634 | -.789 |
| .20 | -.180 | -.263 | -.401 | -.552 | -.726 |
| .30 | -.220 | -.253 | -.401 | -.510 | -.651 |
| .40 | -.207 | -.297 | -.397 | -.482 | -.227 |
| .50 | -.152 | -.334 | -.314 | -.224 | -.220 |
| .60 | -.135 | -.222 | -.248 | -.166 | -.108 |
| .67 | | | -.067 | | |
| .70 | -.086 | -.042 | | .086 | .072 |
| .80 | .038 | | | .250 | .201 |
| .84 | | | -.227 | | |
| .86 | | .173 | | | |
| .90 | | | | .307 | .253 |
| .91 | .138 | | | | |
| .95 | .170 | .192 | .328 | .302 | .252 |

RUN = 538 POINT = 3

TABLE 108

WING PRESSURE COEFFICIENTS

RUN = 538 POINT = 4

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .22 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .018 | .309 | .633 | .754 | .638 | 0.00 | .011 | .280 | .603 | .765 | .694 |
| .05 | -.113 | -.144 | -.123 | -.184 | -.061 | .05 | -.153 | -.262 | -.265 | -.409 | -.204 |
| .10 | -.163 | -.155 | -.243 | -.184 | -.109 | .10 | -.205 | -.256 | -.397 | -.356 | -.220 |
| .20 | -.197 | -.187 | -.238 | -.201 | -.153 | .20 | -.243 | -.286 | -.380 | -.273 | -.242 |
| .30 | -.168 | -.226 | -.251 | -.205 | -.171 | .30 | -.203 | -.309 | -.366 | -.300 | -.246 |
| .40 | -.157 | -.203 | -.144 | -.197 | -.213 | .40 | -.200 | -.290 | -.204 | -.258 | -.277 |
| .50 | -.166 | -.176 | -.173 | -.229 | -.239 | .50 | -.213 | -.227 | -.197 | -.299 | -.288 |
| .60 | -.117 | -.130 | -.224 | -.272 | -.262 | .60 | -.166 | -.162 | -.250 | -.297 | -.316 |
| .67 | | | -.192 | | | .67 | | | -.244 | | |
| .70 | -.070 | -.159 | | -.333 | -.276 | .70 | -.107 | -.181 | | -.361 | -.346 |
| .80 | -.049 | | | -.400 | -.382 | .80 | -.071 | | | -.463 | -.461 |
| .84 | | | -.010 | | | .84 | | | -.021 | | |
| .86 | | -.173 | | | | .86 | | -.198 | | | |
| .90 | | | | -.231 | -.164 | .90 | | | | -.239 | -.132 |
| .91 | -.066 | | | | | .91 | -.081 | | | | |
| .95 | -.064 | -.088 | -.086 | -.073 | -.095 | .95 | -.073 | -.082 | -.097 | -.064 | -.090 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.081 | -.276 | -.530 | -.640 | -.714 | .05 | -.043 | -.162 | -.356 | -.519 | -.617 |
| .10 | -.142 | .156 | -.502 | -.751 | -.859 | .10 | -.105 | .022 | -.380 | -.609 | -.753 |
| .20 | -.216 | -.314 | -.499 | -.686 | -.837 | .20 | -.183 | -.235 | -.402 | -.572 | -.722 |
| .30 | -.288 | -.312 | -.486 | -.660 | -.822 | .30 | -.237 | -.244 | -.408 | -.537 | -.699 |
| .40 | -.237 | -.326 | -.493 | -.673 | -.797 | .40 | -.209 | -.280 | -.421 | -.574 | -.620 |
| .50 | -.187 | -.426 | -.558 | -.709 | -.531 | .50 | -.151 | -.334 | -.400 | -.271 | -.179 |
| .60 | -.170 | -.353 | -.281 | -.127 | -.076 | .60 | -.143 | -.261 | -.252 | -.134 | -.064 |
| .67 | | | -.069 | | | .67 | | | -.058 | | |
| .70 | -.138 | -.061 | | .087 | .091 | .70 | -.100 | -.034 | | .098 | .093 |
| .80 | .003 | | | .213 | .189 | .80 | .029 | | | .252 | .229 |
| .84 | | | -.045 | | | .84 | | | -.116 | | |
| .86 | | .141 | | | | .86 | | .170 | | | |
| .90 | | | | .296 | .220 | .90 | | | | .311 | .288 |
| .91 | .113 | | | | | .91 | .131 | | | | |
| .95 | .329 | .181 | .315 | .322 | .231 | .95 | .258 | .199 | .326 | .309 | .281 |

RUN = 538 POINT = 5

TABLE 108 CONTINUED

RUN = 538 POINT = 6

| (C) ALPHA = 1.11 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .241 | .560 | .767 | .729 | 0.00 | -.020 | .184 | .511 | .751 | .735 |
| .05 | -.194 | -.344 | -.451 | -.538 | -.421 | .05 | -.271 | -.460 | -.633 | -.643 | -.557 |
| .10 | -.262 | -.360 | -.524 | -.582 | -.380 | .10 | -.318 | -.462 | -.658 | -.705 | -.584 |
| .20 | -.275 | -.371 | -.467 | -.470 | -.282 | .20 | -.325 | -.408 | -.580 | -.663 | -.573 |
| .30 | -.239 | -.390 | -.518 | -.427 | -.272 | .30 | -.277 | -.450 | -.594 | -.612 | -.556 |
| .40 | -.237 | -.371 | -.295 | -.180 | -.270 | .40 | -.271 | -.446 | -.459 | -.551 | -.528 |
| .50 | -.260 | -.301 | -.267 | -.245 | -.289 | .50 | -.305 | -.382 | -.399 | -.483 | -.505 |
| .60 | -.213 | -.223 | -.259 | -.298 | -.366 | .60 | -.269 | -.299 | -.337 | -.307 | -.233 |
| .67 | | | -.236 | | | .67 | | | -.297 | | |
| .70 | -.141 | -.200 | | -.365 | -.412 | .70 | -.191 | -.259 | | -.359 | -.281 |
| .80 | -.105 | | | -.499 | -.515 | .80 | -.148 | | | -.344 | -.441 |
| .84 | | | -.011 | | | .84 | | | -.023 | | |
| .86 | | -.183 | | | | .86 | | -.197 | | | |
| .90 | | | | -.224 | -.099 | .90 | | | | -.234 | -.148 |
| .91 | -.088 | | | | | .91 | -.116 | | | | |
| .95 | -.075 | -.067 | -.091 | -.065 | -.048 | .95 | -.101 | -.066 | -.083 | -.075 | -.103 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.003 | -.053 | -.217 | -.365 | -.463 | .05 | .014 | .010 | -.095 | -.230 | -.283 |
| .10 | -.071 | -.006 | -.256 | -.470 | -.616 | .10 | -.046 | -.004 | -.190 | -.344 | -.460 |
| .20 | -.152 | -.173 | -.311 | -.448 | -.560 | .20 | -.125 | -.117 | -.243 | -.340 | -.393 |
| .30 | -.184 | -.169 | -.330 | -.426 | -.468 | .30 | -.151 | -.134 | -.267 | -.331 | -.306 |
| .40 | -.165 | -.215 | -.328 | -.451 | -.298 | .40 | -.136 | -.172 | -.273 | -.390 | -.259 |
| .50 | -.113 | -.286 | -.280 | -.178 | -.246 | .50 | -.086 | -.204 | -.243 | -.188 | -.202 |
| .60 | -.101 | -.189 | -.235 | -.148 | -.099 | .60 | -.078 | -.151 | -.225 | -.143 | -.087 |
| .67 | | | -.049 | | | .67 | | | -.045 | | |
| .70 | -.067 | -.013 | | .103 | .080 | .70 | -.035 | -.002 | | .108 | .089 |
| .80 | .062 | | | .263 | .214 | .80 | .078 | | | .269 | .231 |
| .84 | | | -.134 | | | .84 | | | -.150 | | |
| .86 | | .199 | | | | .86 | | .209 | | | |
| .90 | | | | .323 | .281 | .90 | | | | .324 | .299 |
| .91 | .152 | | | | | .91 | .162 | | | | |
| .95 | .224 | .214 | .339 | .312 | .279 | .95 | .196 | .211 | .339 | .323 | .288 |

RUN = 538 POINT = 7

TABLE 108 CONTINUED

RUN = 538 POINT = 8

| (E) ALPHA = 2.91 DEGREES | | | | | | (F) ALPHA = 3.41 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .127 | .464 | .736 | .747 | 0.00 | -.065 | .099 | .435 | .722 | .748 |
| .05 | -.314 | -.619 | -.832 | -.722 | -.646 | .05 | -.352 | -.694 | -.899 | -.775 | -.688 |
| .10 | -.365 | -.561 | -.835 | -.791 | -.696 | .10 | -.393 | -.626 | -.892 | -.837 | -.738 |
| .20 | -.371 | -.496 | -.698 | -.756 | -.679 | .20 | -.395 | -.513 | -.750 | -.811 | -.731 |
| .30 | -.286 | -.497 | -.643 | -.747 | -.660 | .30 | -.300 | -.522 | -.671 | -.802 | -.715 |
| .40 | -.311 | -.514 | -.560 | -.723 | -.667 | .40 | -.320 | -.548 | -.613 | -.778 | -.717 |
| .50 | -.324 | -.446 | -.507 | -.683 | -.672 | .50 | -.339 | -.479 | -.550 | -.771 | -.710 |
| .60 | -.314 | -.371 | -.443 | -.582 | -.691 | .60 | -.333 | -.433 | -.516 | -.701 | -.741 |
| .67 | | | -.377 | | | .67 | | | -.420 | | |
| .70 | -.258 | -.341 | | -.445 | -.622 | .70 | -.285 | -.373 | | -.604 | -.719 |
| .80 | -.195 | | | -.319 | -.339 | .80 | -.223 | | | -.385 | -.585 |
| .84 | | | -.025 | | | .84 | | | -.026 | | |
| .86 | | -.233 | | | | .86 | | -.245 | | | |
| .90 | | | | -.174 | -.117 | .90 | | | | -.154 | -.133 |
| .91 | -.159 | | | | | .91 | -.190 | | | | |
| .95 | -.130 | -.063 | -.091 | -.044 | -.081 | .95 | -.149 | -.071 | -.096 | -.032 | -.016 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .038 | .092 | .013 | -.112 | -.145 | .05 | .050 | .128 | .088 | -.057 | -.093 |
| .10 | -.017 | .034 | -.083 | -.227 | -.337 | .10 | .004 | .075 | -.039 | -.176 | -.256 |
| .20 | -.088 | -.054 | -.160 | -.266 | -.282 | .20 | -.068 | -.018 | -.129 | -.228 | -.234 |
| .30 | -.111 | -.088 | -.198 | -.269 | -.265 | .30 | -.093 | -.063 | -.165 | -.237 | -.239 |
| .40 | -.100 | -.125 | -.209 | -.306 | -.220 | .40 | -.079 | -.107 | -.178 | -.248 | -.192 |
| .50 | -.059 | -.169 | -.207 | -.180 | -.154 | .50 | -.044 | -.143 | -.178 | -.164 | -.139 |
| .60 | -.044 | -.118 | -.191 | -.136 | -.065 | .60 | -.027 | -.109 | -.187 | -.128 | -.059 |
| .67 | | | -.033 | | | .67 | | | -.032 | | |
| .70 | -.008 | .008 | | .114 | .112 | .70 | .004 | .013 | | .115 | .111 |
| .80 | .095 | | | .282 | .252 | .80 | .101 | | | .281 | .253 |
| .84 | | | -.161 | | | .84 | | | -.184 | | |
| .86 | | .217 | | | | .86 | | .220 | | | |
| .90 | | | | .340 | .311 | .90 | | | | .343 | .312 |
| .91 | .172 | | | | | .91 | .175 | | | | |
| .95 | .187 | .211 | .336 | .323 | .309 | .95 | .181 | .207 | .336 | .326 | .307 |

RUN = 538 POINT = 9

TABLE 108 CONTINUED

RUN = 538 POINT = 10

| (G) ALPHA = 3.87 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|--------|--------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .061 | .395 | .710 | .745 | 0.00 | -.116 | -.012 | .332 | .671 | .740 |
| .05 | -.387 | -.792 | -.951 | -.810 | -.718 | .05 | -.448 | -1.010 | -1.055 | -.895 | -.798 |
| .10 | -.443 | -.685 | -.970 | -.869 | -.772 | .10 | -.491 | -.911 | -1.091 | -.936 | -.852 |
| .20 | -.411 | -.570 | -.864 | -.841 | -.765 | .20 | -.450 | -.610 | -1.030 | -.933 | -.845 |
| .30 | -.309 | -.544 | -.693 | -.841 | -.749 | .30 | -.355 | -.596 | -.904 | -.924 | -.833 |
| .40 | -.335 | -.572 | -.644 | -.821 | -.753 | .40 | -.358 | -.616 | -.663 | -.905 | -.834 |
| .50 | -.352 | -.503 | -.580 | -.823 | -.754 | .50 | -.383 | -.551 | -.639 | -.909 | -.829 |
| .60 | -.350 | -.470 | -.587 | -.805 | -.777 | .60 | -.373 | -.549 | -.648 | -.911 | -.815 |
| .67 | | | -.474 | | | .67 | | | -.592 | | |
| .70 | -.312 | -.410 | | -.739 | -.730 | .70 | -.358 | -.481 | | -.856 | -.777 |
| .80 | -.245 | | | -.573 | -.597 | .80 | -.297 | | | -.736 | -.544 |
| .84 | | | -.033 | | | .84 | | | -.035 | | |
| .86 | | -.254 | | | | .86 | | -.291 | | | |
| .90 | | | | -.123 | -.218 | .90 | | | | -.289 | -.257 |
| .91 | -.212 | | | | | .91 | -.276 | | | | |
| .95 | -.171 | -.082 | -.109 | -.014 | -.073 | .95 | -.224 | -.120 | -.131 | -.127 | -.154 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .058 | .158 | .117 | -.015 | -.033 | .05 | .084 | .233 | .229 | .080 | .056 |
| .10 | .013 | .116 | -.006 | -.143 | -.199 | .10 | .046 | .163 | .076 | -.043 | -.104 |
| .20 | -.049 | .002 | -.092 | -.194 | -.213 | .20 | -.010 | .054 | -.030 | -.119 | -.135 |
| .30 | -.072 | -.043 | -.143 | -.205 | -.201 | .30 | -.029 | .011 | -.090 | -.145 | -.149 |
| .40 | -.068 | -.082 | -.149 | -.229 | -.178 | .40 | -.025 | -.039 | -.123 | -.169 | -.156 |
| .50 | -.023 | -.126 | -.167 | -.162 | -.137 | .50 | .011 | -.080 | -.128 | -.141 | -.133 |
| .60 | -.014 | -.101 | -.173 | -.123 | -.061 | .60 | .011 | -.065 | -.154 | -.118 | -.080 |
| .67 | | | -.032 | | | .67 | | | -.021 | | |
| .70 | .009 | .020 | | .115 | .103 | .70 | .037 | .035 | | .109 | .068 |
| .80 | .112 | | | .284 | .248 | .80 | .130 | | | .275 | .221 |
| .84 | | | -.196 | | | .84 | | | -.220 | | |
| .86 | | .220 | | | | .86 | | .225 | | | |
| .90 | | | | .344 | .299 | .90 | | | | .333 | .271 |
| .91 | .183 | | | | | .91 | .188 | | | | |
| .95 | .181 | .201 | .328 | .325 | .282 | .95 | .184 | .191 | .322 | .332 | .247 |

RUN = 538 POINT = 11

TABLE 108

CONTINUED

RUN = 538 POINT = 12

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.170 | -.103 | .246 | .624 | .722 | 0.00 | -.275 | -.269 | .103 | .512 | .674 |
| .05 | -.539 | -1.137 | -1.149 | -.990 | -.901 | .05 | -.705 | -1.233 | -1.286 | -1.126 | -1.039 |
| .10 | -.550 | -1.070 | -1.189 | -1.023 | -.939 | .10 | -.716 | -1.209 | -1.277 | -1.154 | -1.077 |
| .20 | -.494 | -.698 | -1.140 | -1.014 | -.933 | .20 | -.550 | -1.066 | -1.247 | -1.134 | -.982 |
| .30 | -.388 | -.651 | -1.087 | -1.005 | -.914 | .30 | -.450 | -.951 | -1.215 | -1.121 | -.800 |
| .40 | -.383 | -.649 | -.903 | -.988 | -.913 | .40 | -.441 | -.848 | -1.083 | -1.074 | -.781 |
| .50 | -.426 | -.609 | -.686 | -.990 | -.913 | .50 | -.476 | -.735 | -.944 | -1.046 | -.666 |
| .60 | -.413 | -.600 | -.696 | -.953 | -.844 | .60 | -.483 | -.681 | -.872 | -.877 | -.462 |
| .67 | | | -.652 | | | .67 | | | -.771 | | |
| .70 | -.399 | -.558 | | -.928 | -.721 | .70 | -.480 | -.617 | | -.605 | -.370 |
| .80 | -.345 | | | -.592 | -.403 | .80 | -.435 | | | -.501 | -.327 |
| .84 | | | -.056 | | | .84 | | | -.092 | | |
| .86 | | -.330 | | | | .86 | | -.432 | | | |
| .90 | | | | -.402 | -.258 | .90 | | | | -.444 | -.272 |
| .91 | -.338 | | | | | .91 | -.435 | | | | |
| .95 | -.306 | -.144 | -.174 | -.309 | -.232 | .95 | -.437 | -.193 | -.310 | -.415 | -.270 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .101 | .289 | .304 | .175 | .133 | .05 | .117 | .366 | .429 | .325 | .222 |
| .10 | .071 | .212 | .149 | .026 | -.019 | .10 | .119 | .270 | .265 | .158 | .100 |
| .20 | .024 | .107 | .039 | -.041 | -.073 | .20 | .093 | .186 | .134 | .049 | .010 |
| .30 | .007 | .054 | -.030 | -.086 | -.111 | .30 | .078 | .133 | .051 | -.018 | -.042 |
| .40 | .007 | 0.000 | -.081 | -.132 | -.130 | .40 | .072 | .071 | .005 | -.061 | -.085 |
| .50 | .035 | -.039 | -.103 | -.125 | -.140 | .50 | .093 | .015 | -.039 | -.098 | -.120 |
| .60 | .041 | -.035 | -.125 | -.113 | -.102 | .60 | .093 | .007 | -.085 | -.125 | -.106 |
| .67 | | | -.019 | | | .67 | | | .005 | | |
| .70 | .063 | .045 | | .095 | .047 | .70 | .104 | .075 | | .067 | .022 |
| .80 | .147 | | | .263 | .197 | .80 | .174 | | | .241 | .167 |
| .84 | | | -.254 | | | .84 | | | -.317 | | |
| .86 | | .229 | | | | .86 | | .246 | | | |
| .90 | | | | .320 | .233 | .90 | | | | .288 | .198 |
| .91 | .201 | | | | | .91 | .217 | | | | |
| .95 | .188 | .186 | .318 | .292 | .208 | .95 | .197 | .184 | .301 | .260 | .159 |

RUN = 538 POINT = 13

TABLE 108

CONTINUED

RUN = 538 POINT = 14

| (K) ALPHA = 9.94 DEGREES | | | | | | (L) ALPHA = 11.83 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.399 | -.442 | -.056 | .401 | .619 | 0.00 | -.505 | -.618 | -.250 | .272 | .547 |
| .05 | -.873 | -1.231 | -1.094 | -.988 | -.909 | .05 | -1.080 | -1.238 | -1.214 | -.649 | -.646 |
| .10 | -.875 | -1.237 | -1.140 | -.790 | -.935 | .10 | -1.075 | -1.242 | -1.199 | -.635 | -.597 |
| .20 | -.644 | -1.200 | -1.029 | -.735 | -.999 | .20 | -.768 | -1.240 | -1.064 | -.637 | -.594 |
| .30 | -.496 | -1.188 | -.952 | -.698 | -.947 | .30 | -.470 | -1.294 | -.966 | -.633 | -.571 |
| .40 | -.484 | -1.143 | -.886 | -.658 | -.749 | .40 | -.486 | -1.308 | -.865 | -.640 | -.541 |
| .50 | -.516 | -1.100 | -.828 | -.618 | -.764 | .50 | -.535 | -1.328 | -.799 | -.626 | -.546 |
| .60 | -.531 | -.935 | -.747 | -.580 | -.508 | .60 | -.559 | -1.169 | -.782 | -.615 | -.497 |
| .67 | | | -.719 | | | .67 | | | -.764 | | |
| .70 | -.533 | -.642 | | -.551 | -.508 | .70 | -.568 | -.837 | | -.598 | -.491 |
| .80 | -.386 | | | -.526 | -.477 | .80 | -.451 | | | -.577 | -.480 |
| .84 | | | -.120 | | | .84 | | | -.130 | | |
| .86 | | -.484 | | | | .86 | | -.646 | | | |
| .90 | | | | -.495 | -.418 | .90 | | | | -.562 | -.470 |
| .91 | -.313 | | | | | .91 | -.186 | | | | |
| .95 | -.364 | -.435 | -.606 | -.480 | -.401 | .95 | -.203 | -.604 | -.691 | -.555 | -.458 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .130 | .418 | .529 | .430 | .370 | .05 | .125 | .448 | .588 | .512 | .449 |
| .10 | .156 | .333 | .361 | .254 | .191 | .10 | .184 | .383 | .441 | .347 | .272 |
| .20 | .148 | .264 | .221 | .121 | .072 | .20 | .197 | .328 | .292 | .196 | .138 |
| .30 | .137 | .198 | .125 | .038 | .003 | .30 | .195 | .257 | .191 | .106 | .059 |
| .40 | .135 | .129 | .070 | -.010 | -.065 | .40 | .184 | .188 | .131 | .042 | -.012 |
| .50 | .148 | .080 | .009 | -.085 | -.106 | .50 | .195 | .128 | .060 | -.042 | -.069 |
| .60 | .139 | .052 | -.056 | -.130 | -.104 | .60 | .177 | .098 | -.009 | -.098 | -.079 |
| .67 | | | .007 | | | .67 | | | .035 | | |
| .70 | .135 | .105 | | .040 | .014 | .70 | .177 | .135 | | .059 | .021 |
| .80 | .202 | | | .220 | .170 | .80 | .229 | | | .229 | .174 |
| .84 | | | -.373 | | | .84 | | | -.409 | | |
| .86 | | .251 | | | | .86 | | .263 | | | |
| .90 | | | | .275 | .200 | .90 | | | | .279 | .197 |
| .91 | .235 | | | | | .91 | .251 | | | | |
| .95 | .209 | .178 | .265 | .237 | .160 | .95 | .223 | .180 | .272 | .246 | .154 |

RUN = 538 POINT = 15

TABLE 108 CONCLUDED

| | (M) ALPHA = .19 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .002 | .271 | .596 | .761 | .688 |
| .05 | -.158 | -.266 | -.265 | -.377 | -.200 |
| .10 | -.212 | -.270 | -.398 | -.353 | -.216 |
| .20 | -.251 | -.296 | -.387 | -.281 | -.229 |
| .30 | -.209 | -.308 | -.370 | -.290 | -.243 |
| .40 | -.207 | -.293 | -.209 | -.264 | -.276 |
| .50 | -.214 | -.228 | -.207 | -.301 | -.279 |
| .60 | -.166 | -.166 | -.248 | -.299 | -.319 |
| .67 | | | -.245 | | |
| .70 | -.108 | -.185 | | -.355 | -.347 |
| .80 | -.077 | | | -.472 | -.470 |
| .84 | | | -.021 | | |
| .86 | | -.198 | | | |
| .90 | | | | -.232 | -.143 |
| .91 | -.082 | | | | |
| .95 | -.075 | -.081 | -.100 | -.070 | -.092 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.045 | -.171 | -.372 | -.510 | -.613 |
| .10 | -.108 | .144 | -.382 | -.613 | -.739 |
| .20 | -.188 | -.237 | -.399 | -.573 | -.725 |
| .30 | -.240 | -.239 | -.412 | -.533 | -.674 |
| .40 | -.209 | -.273 | -.413 | -.566 | -.625 |
| .50 | -.155 | -.348 | -.372 | -.255 | -.167 |
| .60 | -.144 | -.254 | -.257 | -.136 | -.064 |
| .67 | | | -.062 | | |
| .70 | -.101 | -.035 | | .098 | .093 |
| .80 | .028 | | | .256 | .227 |
| .84 | | | -.319 | | |
| .86 | | .169 | | | |
| .90 | | | | .308 | .291 |
| .91 | .126 | | | | |
| .95 | .191 | .195 | .326 | .294 | .279 |

RUN = 537 POINT = 7

TABLE 109

WING PRESSURE COEFFICIENTS

RUN = 537 POINT = 8

| (A) ALPHA = -.85 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .294 | .634 | .773 | .653 | 0.00 | .014 | .278 | .609 | .777 | .701 |
| .05 | -.099 | -.138 | -.121 | -.177 | -.067 | .05 | -.165 | -.230 | -.265 | -.394 | -.196 |
| .10 | -.151 | -.156 | -.236 | -.195 | -.105 | .10 | -.206 | -.245 | -.392 | -.400 | -.227 |
| .20 | -.208 | -.190 | -.238 | -.193 | -.158 | .20 | -.256 | -.289 | -.372 | -.322 | -.225 |
| .30 | -.162 | -.243 | -.224 | -.233 | -.182 | .30 | -.217 | -.323 | -.396 | -.253 | -.235 |
| .40 | -.158 | -.211 | -.138 | -.188 | -.217 | .40 | -.194 | -.280 | -.224 | -.211 | -.266 |
| .50 | -.162 | -.155 | -.172 | -.237 | -.241 | .50 | -.217 | -.246 | -.222 | -.273 | -.307 |
| .60 | -.110 | -.121 | -.211 | -.257 | -.282 | .60 | -.159 | -.162 | -.220 | -.318 | -.321 |
| .67 | | | -.221 | | | .67 | | | -.226 | | |
| .70 | -.060 | -.149 | | -.326 | -.315 | .70 | -.102 | -.169 | | -.360 | -.369 |
| .80 | -.043 | | | -.444 | -.458 | .80 | -.068 | | | -.478 | -.490 |
| .84 | | | -.025 | | | .84 | | | -.029 | | |
| .86 | | -.193 | | | | .86 | | -.203 | | | |
| .90 | | | | -.173 | -.101 | .90 | | | | -.205 | -.096 |
| .91 | -.069 | | | | | .91 | -.081 | | | | |
| .95 | -.084 | -.095 | -.093 | -.028 | -.044 | .95 | -.081 | -.089 | -.098 | -.038 | -.023 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.067 | -.305 | -.534 | -.614 | -.660 | .05 | -.033 | -.165 | -.325 | -.494 | -.561 |
| .10 | -.128 | .739 | -.494 | -.716 | -.801 | .10 | -.094 | .368 | -.389 | -.580 | -.697 |
| .20 | -.219 | -.264 | -.490 | -.694 | -.799 | .20 | -.185 | -.231 | -.374 | -.553 | -.693 |
| .30 | -.281 | -.309 | -.464 | -.650 | -.797 | .30 | -.258 | -.248 | -.404 | -.540 | -.676 |
| .40 | -.314 | -.318 | -.486 | -.654 | -.804 | .40 | -.200 | -.267 | -.422 | -.573 | -.664 |
| .50 | -.143 | -.405 | -.588 | -.705 | -.758 | .50 | -.141 | -.347 | -.504 | -.636 | -.636 |
| .60 | -.169 | -.390 | -.535 | -.191 | -.215 | .60 | -.133 | -.314 | -.316 | -.127 | -.096 |
| .67 | | | -.091 | | | .67 | | | -.065 | | |
| .70 | -.152 | -.114 | | -.050 | -.024 | .70 | -.111 | -.062 | | .069 | .070 |
| .80 | -.022 | | | .079 | .149 | .80 | .020 | | | .221 | .218 |
| .84 | | | -.157 | | | .84 | | | -.154 | | |
| .86 | | .114 | | | | .86 | | .158 | | | |
| .90 | | | | .237 | .218 | .90 | | | | .283 | .295 |
| .91 | .095 | | | | | .91 | .125 | | | | |
| .95 | .935 | .176 | .307 | .290 | .194 | .95 | .676 | .192 | .329 | .288 | .287 |

RUN = 537 POINT = 9

TABLE 109 CONTINUED

RUN = 537 POINT = 10

| (C) ALPHA = 1.11 DEGREES | | | | | | (D) ALPHA = 1.95 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .247 | .573 | .767 | .724 | 0.00 | -.021 | .208 | .538 | .763 | .738 |
| .05 | -.212 | -.349 | -.438 | -.507 | -.404 | .05 | -.265 | -.425 | -.595 | -.587 | -.512 |
| .10 | -.267 | -.360 | -.516 | -.547 | -.435 | .10 | -.326 | -.445 | -.610 | -.651 | -.536 |
| .20 | -.308 | -.332 | -.466 | -.493 | -.432 | .20 | -.326 | -.404 | -.546 | -.611 | -.533 |
| .30 | -.223 | -.380 | -.503 | -.466 | -.385 | .30 | -.262 | -.428 | -.567 | -.589 | -.528 |
| .40 | -.247 | -.378 | -.353 | -.446 | -.349 | .40 | -.265 | -.443 | -.447 | -.529 | -.518 |
| .50 | -.250 | -.310 | -.312 | -.264 | -.339 | .50 | -.282 | -.372 | -.428 | -.531 | -.528 |
| .60 | -.226 | -.245 | -.278 | -.304 | -.301 | .60 | -.263 | -.301 | -.348 | -.420 | -.516 |
| .67 | | | -.261 | | | .67 | | | -.321 | | |
| .70 | -.147 | -.224 | | -.347 | -.332 | .70 | -.189 | -.290 | | -.387 | -.499 |
| .80 | -.113 | | | -.473 | -.480 | .80 | -.151 | | | -.502 | -.476 |
| .84 | | | -.025 | | | .84 | | | -.028 | | |
| .86 | | -.216 | | | | .86 | | -.252 | | | |
| .90 | | | | -.197 | -.210 | .90 | | | | -.146 | -.078 |
| .91 | -.108 | | | | | .91 | -.138 | | | | |
| .95 | -.093 | -.076 | -.082 | -.044 | -.014 | .95 | -.123 | -.076 | -.099 | -.021 | -.045 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.008 | -.068 | -.198 | -.351 | -.456 | .05 | .017 | .018 | -.093 | -.260 | -.347 |
| .10 | -.065 | .193 | -.268 | -.466 | -.597 | .10 | -.041 | .123 | -.181 | -.371 | -.492 |
| .20 | -.154 | -.157 | -.307 | -.460 | -.576 | .20 | -.128 | -.114 | -.242 | -.369 | -.478 |
| .30 | -.224 | -.170 | -.329 | -.455 | -.544 | .30 | -.175 | -.130 | -.277 | -.380 | -.409 |
| .40 | -.160 | -.228 | -.353 | -.515 | -.526 | .40 | -.132 | -.183 | -.282 | -.436 | -.366 |
| .50 | -.111 | -.290 | -.380 | -.464 | -.186 | .50 | -.084 | -.252 | -.280 | -.288 | -.191 |
| .60 | -.098 | -.237 | -.268 | -.113 | -.067 | .60 | -.071 | -.181 | -.237 | -.124 | -.071 |
| .67 | | | -.059 | | | .67 | | | -.059 | | |
| .70 | -.074 | -.031 | | .106 | .092 | .70 | -.045 | -.018 | | .112 | .102 |
| .80 | .051 | | | .257 | .221 | .80 | .076 | | | .263 | .236 |
| .84 | | | -.155 | | | .84 | | | -.168 | | |
| .86 | | .182 | | | | .86 | | .196 | | | |
| .90 | | | | .314 | .293 | .90 | | | | .326 | .302 |
| .91 | .145 | | | | | .91 | .158 | | | | |
| .95 | .507 | .198 | .334 | .296 | .284 | .95 | .395 | .205 | .337 | .314 | .294 |

RUN = 537 POINT = 11

TABLE 109 CONTINUED

RUN = 537 POINT = 12

| (E) ALPHA = 2.88 DEGREES | | | | | | (F) ALPHA = 3.35 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.045 | .152 | .489 | .759 | .747 | 0.00 | -.056 | .123 | .465 | .742 | .749 |
| .05 | -.319 | -.602 | -.775 | -.663 | -.588 | .05 | -.340 | -.675 | -.822 | -.698 | -.619 |
| .10 | -.365 | -.513 | -.746 | -.735 | -.503 | .10 | -.392 | -.569 | -.839 | -.765 | -.662 |
| .20 | -.356 | -.457 | -.658 | -.708 | -.407 | .20 | -.367 | -.497 | -.736 | -.749 | -.660 |
| .30 | -.291 | -.461 | -.618 | -.704 | -.418 | .30 | -.303 | -.494 | -.634 | -.742 | -.654 |
| .40 | -.287 | -.497 | -.534 | -.679 | -.481 | .40 | -.297 | -.515 | -.580 | -.731 | -.664 |
| .50 | -.308 | -.426 | -.495 | -.664 | -.529 | .50 | -.321 | -.449 | -.524 | -.720 | -.674 |
| .60 | -.298 | -.400 | -.482 | -.588 | -.534 | .60 | -.306 | -.427 | -.545 | -.682 | -.693 |
| .67 | | | -.386 | | | .67 | | | -.438 | | |
| .70 | -.254 | -.330 | | -.563 | -.507 | .70 | -.271 | -.369 | | -.611 | -.686 |
| .80 | -.191 | | | -.528 | -.424 | .80 | -.208 | | | -.638 | -.592 |
| .84 | | | -.039 | | | .84 | | | -.041 | | |
| .86 | | -.280 | | | | .86 | | -.297 | | | |
| .90 | | | | -.135 | -.174 | .90 | | | | -.144 | -.256 |
| .91 | -.182 | | | | | .91 | -.201 | | | | |
| .95 | -.156 | -.098 | -.121 | -.033 | -.055 | .95 | -.177 | -.106 | -.138 | -.050 | -.141 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .041 | .088 | .020 | -.135 | -.150 | .05 | .052 | .121 | .069 | -.092 | -.121 |
| .10 | -.013 | .108 | -.070 | -.253 | -.333 | .10 | .002 | .125 | -.044 | -.215 | -.329 |
| .20 | -.089 | -.052 | -.171 | -.285 | -.282 | .20 | -.069 | -.033 | -.135 | -.248 | -.310 |
| .30 | -.119 | -.078 | -.209 | -.295 | -.279 | .30 | -.093 | -.058 | -.181 | -.261 | -.286 |
| .40 | -.093 | -.136 | -.231 | -.371 | -.163 | .40 | -.088 | -.116 | -.195 | -.342 | -.246 |
| .50 | -.054 | -.175 | -.224 | -.169 | -.165 | .50 | -.038 | -.161 | -.210 | -.168 | -.196 |
| .60 | -.045 | -.145 | -.235 | -.133 | -.074 | .60 | -.028 | -.132 | -.230 | -.140 | -.095 |
| .67 | | | -.057 | | | .67 | | | -.059 | | |
| .70 | -.019 | -.005 | | .110 | .095 | .70 | -.004 | -0.000 | | .102 | .083 |
| .80 | .093 | | | .266 | .223 | .80 | .100 | | | .261 | .231 |
| .84 | | | -.189 | | | .84 | | | -.208 | | |
| .86 | | .209 | | | | .86 | | .209 | | | |
| .90 | | | | .326 | .281 | .90 | | | | .327 | .277 |
| .91 | .167 | | | | | .91 | .173 | | | | |
| .95 | .324 | .196 | .327 | .316 | .263 | .95 | .282 | .196 | .326 | .322 | .248 |

RUN = 537 POINT = 13

TABLE 109 CONTINUED

RUN = 537 POINT = 14

| (G) ALPHA = 3.81 DEGREES | | | | | | (H) ALPHA = 4.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | .084 | .432 | .724 | .747 | 0.00 | -.118 | .011 | .361 | .697 | .745 |
| .05 | -.377 | -.779 | -.891 | -.745 | -.656 | .05 | -.448 | -.950 | -.985 | -.830 | -.721 |
| .10 | -.419 | -.670 | -.914 | -.813 | -.712 | .10 | -.481 | -.882 | -1.025 | -.877 | -.789 |
| .20 | -.384 | -.525 | -.831 | -.793 | -.704 | .20 | -.418 | -.553 | -.972 | -.872 | -.783 |
| .30 | -.323 | -.520 | -.653 | -.794 | -.700 | .30 | -.356 | -.575 | -.901 | -.866 | -.776 |
| .40 | -.314 | -.535 | -.610 | -.775 | -.705 | .40 | -.346 | -.577 | -.623 | -.848 | -.779 |
| .50 | -.338 | -.475 | -.556 | -.789 | -.711 | .50 | -.365 | -.517 | -.610 | -.859 | -.783 |
| .60 | -.317 | -.464 | -.569 | -.762 | -.738 | .60 | -.354 | -.526 | -.620 | -.876 | -.796 |
| .67 | | | -.487 | | | .67 | | | -.564 | | |
| .70 | -.290 | -.410 | | -.724 | -.700 | .70 | -.330 | -.463 | | -.821 | -.748 |
| .80 | -.234 | | | -.684 | -.578 | .80 | -.269 | | | -.803 | -.623 |
| .84 | | | -.037 | | | .84 | | | -.056 | | |
| .86 | | -.314 | | | | .86 | | -.343 | | | |
| .90 | | | | -.168 | -.281 | .90 | | | | -.412 | -.358 |
| .91 | -.227 | | | | | .91 | -.276 | | | | |
| .95 | -.204 | -.117 | -.147 | -.053 | -.183 | .95 | -.252 | -.153 | -.177 | -.313 | -.267 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .164 | .123 | -.023 | -.071 | .05 | .086 | .226 | .210 | .061 | .023 |
| .10 | .017 | .140 | -.004 | -.153 | -.281 | .10 | .048 | .178 | .077 | -.065 | -.142 |
| .20 | -.051 | -.003 | -.092 | -.212 | -.281 | .20 | -.014 | .055 | -.032 | -.132 | -.171 |
| .30 | -.075 | -.028 | -.148 | -.222 | -.234 | .30 | -.034 | .008 | -.098 | -.181 | -.195 |
| .40 | -.062 | -.087 | -.179 | -.306 | -.245 | .40 | -.023 | -.047 | -.143 | -.259 | -.210 |
| .50 | -.021 | -.132 | -.197 | -.164 | -.188 | .50 | .009 | -.088 | -.146 | -.177 | -.212 |
| .60 | -.012 | -.116 | -.215 | -.150 | -.102 | .60 | .011 | -.075 | -.193 | -.150 | -.116 |
| .67 | | | -.055 | | | .67 | | | -.045 | | |
| .70 | .010 | .011 | | .098 | .067 | .70 | .037 | .027 | | .087 | .047 |
| .80 | .110 | | | .256 | .220 | .80 | .129 | | | .261 | .193 |
| .84 | | | -.228 | | | .84 | | | -.255 | | |
| .86 | | .213 | | | | .86 | | .219 | | | |
| .90 | | | | .320 | .270 | .90 | | | | .309 | .234 |
| .91 | .178 | | | | | .91 | .186 | | | | |
| .95 | .249 | .191 | .319 | .323 | .251 | .95 | .228 | .183 | .309 | .300 | .210 |

RUN = 537 POINT = 15

TABLE 109 CONTINUED

RUN = 537 POINT = 16

| (I) ALPHA = 5.99 DEGREES | | | | | | (J) ALPHA = 8.03 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.156 | -.064 | .291 | .656 | .737 | 0.00 | -.259 | -.237 | .142 | .554 | .690 |
| .05 | -.534 | -1.067 | -1.070 | -.908 | -.805 | .05 | -.681 | -1.159 | -1.213 | -1.051 | -.956 |
| .10 | -.545 | -1.019 | -1.112 | -.946 | -.862 | .10 | -.711 | -1.138 | -1.213 | -1.076 | -1.002 |
| .20 | -.457 | -.667 | -1.066 | -.937 | -.855 | .20 | -.567 | -1.000 | -1.177 | -1.064 | -.990 |
| .30 | -.383 | -.602 | -1.016 | -.939 | -.846 | .30 | -.420 | -.909 | -1.138 | -1.058 | -.973 |
| .40 | -.370 | -.611 | -.939 | -.917 | -.846 | .40 | -.418 | -.803 | -1.030 | -1.039 | -.947 |
| .50 | -.398 | -.565 | -.637 | -.928 | -.848 | .50 | -.445 | -.714 | -.879 | -1.022 | -.944 |
| .60 | -.386 | -.565 | -.660 | -.925 | -.846 | .60 | -.455 | -.646 | -.829 | -.990 | -.865 |
| .67 | | | -.619 | | | .67 | | | -.749 | | |
| .70 | -.366 | -.516 | | -.885 | -.802 | .70 | -.456 | -.600 | | -.867 | -.636 |
| .80 | -.316 | | | -.753 | -.735 | .80 | -.408 | | | -.619 | -.484 |
| .84 | | | -.065 | | | .84 | | | -.084 | | |
| .86 | | -.376 | | | | .86 | | -.464 | | | |
| .90 | | | | -.462 | -.444 | .90 | | | | -.513 | -.407 |
| .91 | -.320 | | | | | .91 | -.405 | | | | |
| .95 | -.320 | -.177 | -.211 | -.397 | -.330 | .95 | -.416 | -.248 | -.347 | -.460 | -.385 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .101 | .286 | .300 | .170 | .112 | .05 | .123 | .371 | .430 | .311 | .252 |
| .10 | .075 | .222 | .142 | .021 | -.049 | .10 | .123 | .282 | .271 | .154 | .086 |
| .20 | .029 | .109 | .032 | -.069 | -.106 | .20 | .096 | .198 | .133 | .046 | -.003 |
| .30 | .012 | .060 | -.041 | -.123 | -.138 | .30 | .081 | .135 | .052 | -.023 | -.063 |
| .40 | .014 | -0.000 | -.092 | -.175 | -.176 | .40 | .083 | .074 | .001 | -.068 | -.103 |
| .50 | .048 | -.045 | -.108 | -.152 | -.208 | .50 | .103 | .020 | -.047 | -.112 | -.145 |
| .60 | .046 | -.049 | -.157 | -.150 | -.123 | .60 | .101 | .006 | -.096 | -.144 | -.114 |
| .67 | | | -.023 | | | .67 | | | -.002 | | |
| .70 | .062 | .044 | | .081 | .033 | .70 | .107 | .075 | | .069 | .021 |
| .80 | .149 | | | .252 | .184 | .80 | .180 | | | .239 | .177 |
| .84 | | | -.278 | | | .84 | | | -.343 | | |
| .86 | | .230 | | | | .86 | | .245 | | | |
| .90 | | | | .303 | .218 | .90 | | | | .291 | .211 |
| .91 | .199 | | | | | .91 | .219 | | | | |
| .95 | .221 | .181 | .307 | .278 | .187 | .95 | .225 | .183 | .296 | .265 | .166 |

RUN = 537 POINT = 17

TABLE 109 CONTINUED

RUN = 537 POINT = 18

| (K) ALPHA = 10.07 DEGREES | | | | | | (L) ALPHA = 11.96 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3909 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.377 | -.410 | -.020 | .436 | .633 | 0.00 | -.482 | -.581 | -.192 | .292 | .559 |
| .05 | -.861 | -1.157 | -1.233 | -1.170 | -1.089 | .05 | -1.065 | -1.166 | -1.196 | -.977 | -.678 |
| .10 | -.889 | -1.155 | -1.254 | -1.179 | -1.103 | .10 | -1.063 | -1.175 | -1.211 | -.943 | -.605 |
| .20 | -.642 | -1.124 | -1.179 | -1.156 | -1.084 | .20 | -.761 | -1.179 | -1.162 | -.813 | -.594 |
| .30 | -.448 | -1.127 | -1.133 | -1.131 | -1.067 | .30 | -.439 | -1.226 | -1.107 | -.828 | -.579 |
| .40 | -.447 | -1.114 | -1.025 | -1.098 | -1.014 | .40 | -.450 | -1.257 | -1.103 | -.712 | -.565 |
| .50 | -.478 | -1.099 | -.783 | -1.050 | -.999 | .50 | -.495 | -1.274 | -.960 | -.647 | -.571 |
| .60 | -.491 | -1.073 | -.729 | -.896 | -.818 | .60 | -.524 | -1.239 | -.926 | -.649 | -.533 |
| .67 | | | -.610 | | | .67 | | | -.785 | | |
| .70 | -.496 | -.930 | | -.766 | -.618 | .70 | -.528 | -1.257 | | -.602 | -.528 |
| .80 | -.454 | | | -.644 | -.529 | .80 | -.493 | | | -.590 | -.516 |
| .84 | | | -.093 | | | .84 | | | -.125 | | |
| .86 | | -.212 | | | | .86 | | -.731 | | | |
| .90 | | | | -.577 | -.473 | .90 | | | | -.579 | -.504 |
| .91 | -.437 | | | | | .91 | -.421 | | | | |
| .95 | -.437 | -.361 | -.523 | -.543 | -.446 | .95 | -.439 | -.326 | -.711 | -.564 | -.485 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .136 | .428 | .533 | .429 | .367 | .05 | .143 | .465 | .599 | .527 | .462 |
| .10 | .165 | .339 | .370 | .265 | .200 | .10 | .198 | .396 | .457 | .369 | .290 |
| .20 | .160 | .278 | .233 | .129 | .083 | .20 | .218 | .348 | .313 | .223 | .164 |
| .30 | .151 | .209 | .140 | .051 | .013 | .30 | .213 | .281 | .211 | .134 | .080 |
| .40 | .151 | .142 | .082 | -0.000 | -.051 | .40 | .207 | .214 | .153 | .071 | .004 |
| .50 | .160 | .086 | .019 | -.070 | -.090 | .50 | .214 | .149 | .082 | -.017 | -.045 |
| .60 | .151 | .062 | -.041 | -.118 | -.087 | .60 | .202 | .119 | .019 | -.081 | -.060 |
| .67 | | | .026 | | | .67 | | | .065 | | |
| .70 | .152 | .118 | | .062 | .030 | .70 | .198 | .160 | | .079 | .043 |
| .80 | .215 | | | .241 | .183 | .80 | .255 | | | .247 | .196 |
| .84 | | | -.384 | | | .84 | | | -.415 | | |
| .86 | | .269 | | | | .86 | | .294 | | | |
| .90 | | | | .292 | .209 | .90 | | | | .297 | .213 |
| .91 | .248 | | | | | .91 | .275 | | | | |
| .95 | .233 | .202 | .289 | .258 | .168 | .95 | .248 | .229 | .301 | .261 | .166 |

RUN = 537 POINT = 19

TABLE 109

CONCLUDED

| | (M) ALPHA = | | .22 DEGREES | | |
|------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .274 | .609 | .777 | .699 |
| .05 | -.167 | -.230 | -.261 | -.386 | -.219 |
| .10 | -.210 | -.239 | -.385 | -.393 | -.219 |
| .20 | -.254 | -.294 | -.359 | -.314 | -.223 |
| .30 | -.215 | -.322 | -.389 | -.255 | -.235 |
| .40 | -.191 | -.290 | -.235 | -.199 | -.272 |
| .50 | -.222 | -.246 | -.207 | -.276 | -.270 |
| .60 | -.158 | -.164 | -.219 | -.319 | -.320 |
| .67 | | | -.222 | | |
| .70 | -.100 | -.172 | | -.357 | -.371 |
| .80 | -.070 | | | -.481 | -.492 |
| .84 | | | -.019 | | |
| .86 | | -.203 | | | |
| .90 | | | | -.208 | -.107 |
| .91 | -.083 | | | | |
| .95 | -.078 | -.090 | -.101 | -.039 | -.020 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.035 | -.151 | -.344 | -.492 | -.575 |
| .10 | -.092 | .165 | -.370 | -.584 | -.704 |
| .20 | -.189 | -.238 | -.379 | -.558 | -.698 |
| .30 | -.257 | -.240 | -.400 | -.546 | -.682 |
| .40 | -.178 | -.261 | -.415 | -.578 | -.669 |
| .50 | -.145 | -.352 | -.508 | -.637 | -.640 |
| .60 | -.134 | -.314 | -.310 | -.136 | -.090 |
| .67 | | | -.069 | | |
| .70 | -.114 | -.055 | | .076 | .071 |
| .80 | .017 | | | .212 | .213 |
| .84 | | | -.325 | | |
| .86 | | .157 | | | |
| .90 | | | | .288 | .298 |
| .91 | .121 | | | | |
| .95 | .206 | .192 | .324 | .293 | .286 |

RUN = 563 POINT = 2

TABLE 110

WING PRESSURE COEFFICIENTS

RUN = 563 POINT = 3

| (A) ALPHA = -.71 DEGREES | | | | | | (B) ALPHA = .27 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .029 | .290 | .591 | .715 | .567 | 0.00 | .022 | .265 | .560 | .739 | .650 |
| .05 | -.117 | -.174 | -.192 | -.195 | -.069 | .05 | -.159 | -.299 | -.364 | -.381 | -.190 |
| .10 | -.176 | -.200 | -.291 | -.215 | -.088 | .10 | -.224 | -.293 | -.416 | -.323 | -.203 |
| .20 | -.202 | -.204 | -.239 | -.213 | -.135 | .20 | -.240 | -.293 | -.325 | -.317 | -.212 |
| .30 | -.166 | -.246 | -.235 | -.211 | -.154 | .30 | -.205 | -.308 | -.308 | -.273 | -.216 |
| .40 | -.162 | -.204 | -.200 | -.223 | -.178 | .40 | -.197 | -.263 | -.250 | -.266 | -.229 |
| .50 | -.164 | -.196 | -.206 | -.227 | -.184 | .50 | -.189 | -.238 | -.246 | -.270 | -.235 |
| .60 | -.125 | -.169 | -.250 | -.239 | -.207 | .60 | -.156 | -.205 | -.282 | -.275 | -.257 |
| .67 | | | -.295 | | | .67 | | | -.315 | | |
| .70 | -.086 | -.215 | | -.265 | -.269 | .70 | -.108 | -.238 | | -.297 | -.295 |
| .80 | -.078 | | | -.300 | -.306 | .80 | -.085 | | | -.329 | -.332 |
| .84 | | | -.002 | | | .84 | | | -0.000 | | |
| .86 | | -.215 | | | | .86 | | -.224 | | | |
| .90 | | | | -.249 | -.288 | .90 | | | | -.266 | -.306 |
| .91 | -.072 | | | | | .91 | -.083 | | | | |
| .95 | -.060 | -.074 | -.097 | -.120 | -.126 | .95 | -.067 | -.079 | -.101 | -.142 | -.143 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.080 | -.258 | -.563 | -.774 | -.971 | .05 | -.040 | -.161 | -.361 | -.482 | -.551 |
| .10 | -.139 | -.188 | -.497 | -.673 | -.844 | .10 | -.087 | -.176 | -.359 | -.469 | -.548 |
| .20 | -.200 | -.295 | -.394 | -.451 | -.404 | .20 | -.165 | -.224 | -.309 | -.367 | -.379 |
| .30 | -.225 | -.272 | -.342 | -.340 | -.323 | .30 | -.183 | -.207 | -.275 | -.301 | -.251 |
| .40 | -.211 | -.258 | -.269 | -.310 | -.310 | .40 | -.171 | -.213 | -.236 | -.246 | -.259 |
| .50 | -.164 | -.235 | -.225 | -.243 | -.227 | .50 | -.124 | -.201 | -.188 | -.210 | -.199 |
| .60 | -.129 | -.140 | -.134 | -.173 | -.103 | .60 | -.099 | -.120 | -.115 | -.162 | -.089 |
| .67 | | | .026 | | | .67 | | | .043 | | |
| .70 | -.052 | .044 | | .051 | .075 | .70 | -.032 | .057 | | .068 | .088 |
| .80 | .068 | | | .175 | .177 | .80 | .087 | | | .223 | .214 |
| .84 | | | .270 | | | .84 | | | .310 | | |
| .86 | | .240 | | | | .86 | | .260 | | | |
| .90 | | | | .231 | .214 | .90 | | | | .294 | .276 |
| .91 | .143 | | | | | .91 | .167 | | | | |
| .95 | .070 | .226 | .314 | .243 | .220 | .95 | .102 | .235 | .338 | .294 | .263 |

RUN = 563 POINT = 4

TABLE 110 CONTINUED

RUN = 563 POINT = 5

| (C) ALPHA = 1.07 DEGREES | | | | | | (D) ALPHA = 1.92 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .006 | .220 | .507 | .734 | .697 | 0.00 | -.014 | .152 | .412 | .698 | .727 |
| .05 | -.205 | -.420 | -.534 | -.579 | -.372 | .05 | -.259 | -.542 | -.732 | -.845 | -.566 |
| .10 | -.273 | -.367 | -.553 | -.455 | -.299 | .10 | -.314 | -.467 | -.683 | -.634 | -.449 |
| .20 | -.279 | -.357 | -.396 | -.361 | -.299 | .20 | -.304 | -.410 | -.475 | -.421 | -.374 |
| .30 | -.236 | -.358 | -.356 | -.326 | -.270 | .30 | -.275 | -.421 | -.406 | -.371 | -.323 |
| .40 | -.242 | -.305 | -.292 | -.308 | -.284 | .40 | -.277 | -.356 | -.327 | -.354 | -.323 |
| .50 | -.230 | -.276 | -.282 | -.306 | -.284 | .50 | -.261 | -.315 | -.313 | -.340 | -.317 |
| .60 | -.185 | -.231 | -.315 | -.312 | -.293 | .60 | -.212 | -.253 | -.346 | -.344 | -.332 |
| .67 | | | -.336 | | | .67 | | | -.356 | | |
| .70 | -.134 | -.262 | | -.326 | -.325 | .70 | -.151 | -.278 | | -.340 | -.344 |
| .80 | -.105 | | | -.349 | -.364 | .80 | -.120 | | | -.352 | -.370 |
| .84 | | | -.006 | | | .84 | | | -.002 | | |
| .86 | | -.231 | | | | .86 | | -.232 | | | |
| .90 | | | | -.270 | -.329 | .90 | | | | -.254 | -.323 |
| .91 | -.093 | | | | | .91 | -.102 | | | | |
| .95 | -.075 | -.074 | -.101 | -.134 | -.158 | .95 | -.079 | -.076 | -.093 | -.124 | -.145 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.013 | -.055 | -.218 | -.327 | -.342 | .05 | .024 | .037 | -.066 | -.173 | -.194 |
| .10 | -.060 | -.119 | -.250 | -.337 | -.411 | .10 | -.039 | -.058 | -.151 | -.241 | -.286 |
| .20 | -.130 | -.160 | -.248 | -.292 | -.316 | .20 | -.075 | -.107 | -.179 | -.225 | -.256 |
| .30 | -.156 | -.163 | -.216 | -.264 | -.237 | .30 | -.112 | -.122 | -.177 | -.203 | -.210 |
| .40 | -.150 | -.171 | -.202 | -.230 | -.216 | .40 | -.114 | -.134 | -.149 | -.185 | -.186 |
| .50 | -.103 | -.169 | -.166 | -.178 | -.178 | .50 | -.071 | -.126 | -.133 | -.151 | -.147 |
| .60 | -.077 | -.097 | -.099 | -.150 | -.075 | .60 | -.055 | -.078 | -.080 | -.128 | -.062 |
| .67 | | | .050 | | | .67 | | | .064 | | |
| .70 | -.018 | .067 | | .078 | .101 | .70 | -.002 | .074 | | .087 | .106 |
| .80 | .098 | | | .247 | .247 | .80 | .111 | | | .256 | .275 |
| .84 | | | .316 | | | .84 | | | .320 | | |
| .86 | | .272 | | | | .86 | | .273 | | | |
| .90 | | | | .309 | .304 | .90 | | | | .320 | .327 |
| .91 | .169 | | | | | .91 | .183 | | | | |
| .95 | .118 | .239 | .338 | .292 | .302 | .95 | .138 | .240 | .339 | .295 | .314 |

RUN = 563 POINT = .6

TABLE 110 CONTINUED

RUN = 563 POINT = 7

| (E) ALPHA = 2.95 DEGREES | | | | | | (F) ALPHA = 3.28 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|-------|--------------------------|-------|-------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.046 | .063 | .354 | .669 | .726 | 0.00 | -.063 | .030 | .310 | .623 | .723 |
| .05 | -.315 | -.689 | -1.023 | -1.070 | -.845 | .05 | -.346 | -.741 | -1.205 | -1.174 | -1.022 |
| .10 | -.364 | -.583 | -.929 | -.957 | -.714 | .10 | -.388 | -.657 | -1.116 | -1.069 | -.894 |
| .20 | -.359 | -.510 | -.643 | -.414 | -.403 | .20 | -.374 | -.547 | -.707 | -.442 | -.399 |
| .30 | -.313 | -.490 | -.446 | -.410 | -.363 | .30 | -.335 | -.524 | -.461 | -.404 | -.388 |
| .40 | -.311 | -.409 | -.359 | -.386 | -.350 | .40 | -.329 | -.449 | -.368 | -.394 | -.379 |
| .50 | -.294 | -.355 | -.340 | -.370 | -.363 | .50 | -.323 | -.378 | -.355 | -.384 | -.384 |
| .60 | -.247 | -.276 | -.369 | -.360 | -.361 | .60 | -.266 | -.287 | -.372 | -.368 | -.367 |
| .67 | | | -.369 | | | .67 | | | -.376 | | |
| .70 | -.178 | -.293 | | -.352 | -.358 | .70 | -.195 | -.305 | | -.360 | -.366 |
| .80 | -.135 | | | -.352 | -.371 | .80 | -.146 | | | -.354 | -.366 |
| .84 | | | -.003 | | | .84 | | | -.004 | | |
| .86 | | -.222 | | | | .86 | | -.222 | | | |
| .90 | | | | -.241 | -.302 | .90 | | | | -.239 | -.292 |
| .91 | -.107 | | | | | .91 | -.112 | | | | |
| .95 | -.085 | -.077 | -.084 | -.113 | -.130 | .95 | -.091 | -.072 | -.081 | -.110 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .051 | .108 | .064 | -.032 | -.060 | .05 | .065 | .149 | .108 | .018 | .001 |
| .10 | -.003 | .011 | -.064 | -.131 | -.156 | .10 | .010 | .070 | -.003 | -.086 | -.101 |
| .20 | -.044 | -.030 | -.110 | -.149 | -.171 | .20 | -.034 | .008 | -.086 | -.120 | -.125 |
| .30 | -.083 | -.069 | -.125 | -.147 | -.156 | .30 | -.073 | -.045 | -.106 | -.128 | -.127 |
| .40 | -.076 | -.096 | -.117 | -.151 | -.146 | .40 | -.069 | -.072 | -.094 | -.122 | -.127 |
| .50 | -.046 | -.102 | -.100 | -.123 | -.122 | .50 | -.030 | -.083 | -.084 | -.108 | -.105 |
| .60 | -.030 | -.050 | -.064 | -.107 | -.045 | .60 | -.016 | -.035 | -.048 | -.097 | -.035 |
| .67 | | | .074 | | | .67 | | | .086 | | |
| .70 | .020 | .089 | | .092 | .109 | .70 | .032 | .093 | | .103 | .120 |
| .80 | .128 | | | .260 | .275 | .80 | .136 | | | .270 | .281 |
| .84 | | | .321 | | | .84 | | | .324 | | |
| .86 | | .288 | | | | .86 | | .291 | | | |
| .90 | | | | .324 | .329 | .90 | | | | .332 | .324 |
| .91 | .191 | | | | | .91 | .199 | | | | |
| .95 | .151 | .245 | .339 | .296 | .313 | .95 | .164 | .249 | .334 | .296 | .315 |

| (G) ALPHA = 3.78 DEGREES | | | | | | (H) ALPHA = 4.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.087 | -.042 | .239 | .581 | .698 | 0.00 | -.135 | -.172 | .132 | .526 | .672 |
| .05 | -.380 | -.832 | -1.329 | -1.245 | -1.120 | .05 | -.455 | -1.107 | -1.488 | -1.358 | -1.266 |
| .10 | -.426 | -.764 | -1.248 | -1.178 | -1.015 | .10 | -.492 | -.889 | -1.444 | -1.374 | -1.253 |
| .20 | -.398 | -.610 | -.757 | -1.019 | -.384 | .20 | -.443 | -.694 | -.952 | -1.242 | -1.120 |
| .30 | -.353 | -.581 | -.481 | -.372 | -.390 | .30 | -.392 | -.700 | -.710 | -.733 | -.358 |
| .40 | -.349 | -.481 | -.382 | -.386 | -.391 | .40 | -.388 | -.566 | -.403 | -.335 | -.339 |
| .50 | -.349 | -.400 | -.357 | -.386 | -.391 | .50 | -.390 | -.461 | -.364 | -.339 | -.343 |
| .60 | -.294 | -.305 | -.375 | -.376 | -.386 | .60 | -.332 | -.333 | -.368 | -.337 | -.354 |
| .67 | | | -.380 | | | .67 | | | -.364 | | |
| .70 | -.209 | -.309 | | -.362 | -.373 | .70 | -.245 | -.318 | | -.341 | -.358 |
| .80 | -.162 | | | -.358 | -.365 | .80 | -.184 | | | -.333 | -.352 |
| .84 | | | -.001 | | | .84 | | | 0.000 | | |
| .86 | | -.214 | | | | .86 | | -.209 | | | |
| .90 | | | | -.243 | -.285 | .90 | | | | -.232 | -.281 |
| .91 | -.119 | | | | | .91 | -.129 | | | | |
| .95 | -.095 | -.083 | -.073 | -.119 | -.122 | .95 | -.103 | -.094 | -.067 | -.112 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .069 | .181 | .155 | .082 | .072 | .05 | .093 | .247 | .280 | .187 | .183 |
| .10 | .033 | .114 | .027 | -.038 | -.056 | .10 | .056 | .171 | .108 | .049 | .035 |
| .20 | -.025 | .038 | -.053 | -.085 | -.095 | .20 | .032 | .074 | .021 | -.011 | -.025 |
| .30 | -.052 | -.025 | -.089 | -.107 | -.105 | .30 | -.014 | .022 | -.025 | -.049 | -.054 |
| .40 | -.058 | -.048 | -.077 | -.101 | -.107 | .40 | -.012 | -.007 | -.043 | -.051 | -.059 |
| .50 | -.017 | -.069 | -.069 | -.093 | -.092 | .50 | .018 | -.030 | -.031 | -.061 | -.050 |
| .60 | 0.000 | -.028 | -.040 | -.092 | -.028 | .60 | .024 | .004 | -.011 | -.057 | -.001 |
| .67 | | | .084 | | | .67 | | | .104 | | |
| .70 | .039 | .108 | | .100 | .119 | .70 | .062 | .121 | | .119 | .140 |
| .80 | .140 | | | .265 | .280 | .80 | .155 | | | .286 | .295 |
| .84 | | | .324 | | | .84 | | | .331 | | |
| .86 | | .294 | | | | .86 | | .307 | | | |
| .90 | | | | .327 | .329 | .90 | | | | .342 | .340 |
| .91 | .204 | | | | | .91 | .216 | | | | |
| .95 | .175 | .245 | .333 | .310 | .312 | .95 | .190 | .247 | .331 | .315 | .325 |

RUN = 563 POINT = 10

TABLE 110 CONTINUED

RUN = 563 POINT = 11

| (I) ALPHA = 5.94 DEGREES | | | | | | (J) ALPHA = 7.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.193 | -.294 | .026 | .433 | .630 | 0.00 | -.306 | -.494 | -.156 | .324 | .562 |
| .05 | -.540 | -1.350 | -1.623 | -1.484 | -1.375 | .05 | -.724 | -1.522 | -1.470 | -.916 | -1.485 |
| .10 | -.553 | -1.230 | -1.586 | -1.482 | -1.392 | .10 | -.702 | -1.500 | -1.393 | -.866 | -1.395 |
| .20 | -.500 | -.801 | -1.503 | -1.350 | -1.284 | .20 | -.572 | -1.122 | -1.224 | -.759 | -1.007 |
| .30 | -.433 | -.760 | -.894 | -1.233 | -1.175 | .30 | -.498 | -.897 | -1.068 | -.677 | -.699 |
| .40 | -.441 | -.681 | -.518 | -.565 | -.424 | .40 | -.503 | -.614 | -.947 | -.610 | -.562 |
| .50 | -.431 | -.545 | -.382 | -.364 | -.407 | .50 | -.503 | -.472 | -.845 | -.550 | -.567 |
| .60 | -.380 | -.359 | -.380 | -.316 | -.320 | .60 | -.421 | -.379 | -.749 | -.486 | -.452 |
| .67 | | | -.347 | | | .67 | | | -.628 | | |
| .70 | -.305 | -.324 | | -.293 | -.313 | .70 | -.320 | -.360 | | -.427 | -.353 |
| .80 | -.223 | | | -.279 | -.305 | .80 | -.257 | | | -.379 | -.310 |
| .84 | | | -.002 | | | .84 | | | -.027 | | |
| .86 | | -.194 | | | | .86 | | -.214 | | | |
| .90 | | | | -.181 | -.251 | .90 | | | | -.333 | -.248 |
| .91 | -.158 | | | | | .91 | -.196 | | | | |
| .95 | -.132 | -.087 | -.064 | -.102 | -.119 | .95 | -.155 | -.108 | -.299 | -.302 | -.180 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .101 | .296 | .354 | .278 | .265 | .05 | .114 | .361 | .441 | .362 | .339 |
| .10 | .081 | .228 | .185 | .125 | .108 | .10 | .124 | .278 | .286 | .215 | .172 |
| .20 | .038 | .123 | .078 | .036 | .030 | .20 | .124 | .170 | .147 | .092 | .067 |
| .30 | .036 | .077 | .014 | -.005 | -0.000 | .30 | .081 | .132 | .086 | .029 | .018 |
| .40 | .020 | .032 | -.005 | -.020 | -.027 | .40 | .081 | .080 | .052 | .003 | -.026 |
| .50 | .046 | .003 | -.001 | -.034 | -.027 | .50 | .095 | .051 | .025 | -.050 | -.049 |
| .60 | .052 | .030 | .008 | -.040 | .017 | .60 | .091 | .051 | .021 | -.083 | -.019 |
| .67 | | | .125 | | | .67 | | | .116 | | |
| .70 | .083 | .141 | | .126 | .145 | .70 | .116 | .149 | | .067 | .108 |
| .80 | .176 | | | .288 | .301 | .80 | .195 | | | .224 | .275 |
| .84 | | | .340 | | | .84 | | | .318 | | |
| .86 | | .319 | | | | .86 | | .313 | | | |
| .90 | | | | .342 | .352 | .90 | | | | .275 | .331 |
| .91 | .223 | | | | | .91 | .242 | | | | |
| .95 | .199 | .251 | .336 | .320 | .329 | .95 | .215 | .238 | .292 | .247 | .295 |

| (K) ALPHA = 9.73 DEGREES | | | | | | (L) ALPHA = 11.64 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.442 | -.692 | -.339 | .227 | .512 | 0.00 | -.620 | -.928 | -.476 | .102 | .479 |
| .05 | -.926 | -1.581 | -1.149 | -.753 | -.785 | .05 | -1.133 | -1.558 | -1.012 | -.672 | -.499 |
| .10 | -.835 | -1.596 | -1.083 | -.739 | -.689 | .10 | -.976 | -1.493 | -.982 | -.670 | -.486 |
| .20 | -.662 | -1.504 | -.989 | -.710 | -.637 | .20 | -.722 | -1.328 | -.960 | -.642 | -.488 |
| .30 | -.564 | -1.378 | -.915 | -.684 | -.561 | .30 | -.629 | -1.230 | -.943 | -.652 | -.473 |
| .40 | -.574 | -1.066 | -.896 | -.642 | -.506 | .40 | -.608 | -1.140 | -.883 | -.616 | -.445 |
| .50 | -.562 | -.609 | -.850 | -.599 | -.534 | .50 | -.509 | -1.080 | -.843 | -.590 | -.443 |
| .60 | -.442 | -.408 | -.796 | -.553 | -.454 | .60 | -.458 | -.949 | -.812 | -.575 | -.415 |
| .67 | | | -.761 | | | .67 | | | -.769 | | |
| .70 | -.377 | -.443 | | -.512 | -.391 | .70 | -.443 | -.808 | | -.551 | -.403 |
| .80 | -.336 | | | -.474 | -.370 | .80 | -.423 | | | -.529 | -.398 |
| .84 | | | -.057 | | | .84 | | | -.063 | | |
| .86 | | -.368 | | | | .86 | | -.621 | | | |
| .90 | | | | -.437 | -.352 | .90 | | | | -.509 | -.411 |
| .91 | -.243 | | | | | .91 | -.362 | | | | |
| .95 | -.204 | -.242 | -.584 | -.411 | -.338 | .95 | -.311 | -.505 | -.648 | -.485 | -.385 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .106 | .402 | .515 | .432 | .380 | .05 | .092 | .421 | .571 | .510 | .445 |
| .10 | .153 | .329 | .361 | .271 | .208 | .10 | .166 | .365 | .427 | .346 | .273 |
| .20 | .153 | .224 | .229 | .137 | .095 | .20 | .176 | .268 | .281 | .192 | .141 |
| .30 | .129 | .186 | .133 | .060 | .031 | .30 | .184 | .243 | .184 | .106 | .068 |
| .40 | .124 | .130 | .089 | .016 | -.027 | .40 | .182 | .179 | .127 | .046 | -.006 |
| .50 | .139 | .076 | .040 | -.050 | -.059 | .50 | .180 | .127 | .074 | -.035 | -.047 |
| .60 | .129 | .081 | .024 | -.106 | -.057 | .60 | .166 | .104 | .036 | -.100 | -.041 |
| .67 | | | .103 | | | .67 | | | .104 | | |
| .70 | .139 | .159 | | .041 | .063 | .70 | .164 | .172 | | .033 | .055 |
| .80 | .210 | | | .201 | .221 | .80 | .219 | | | .196 | .218 |
| .84 | | | .281 | | | .84 | | | .277 | | |
| .86 | | .307 | | | | .86 | | .305 | | | |
| .90 | | | | .255 | .275 | .90 | | | | .243 | .250 |
| .91 | .238 | | | | | .91 | .239 | | | | |
| .95 | .218 | .215 | .239 | .225 | .225 | .95 | .227 | .179 | .222 | .198 | .213 |

RUN = 563 POINT = 14

TABLE 110 CONCLUDED

| | (M) ALPHA = .30 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .254 | .564 | .741 | .660 |
| .05 | -.169 | -.300 | -.344 | -.380 | -.225 |
| .10 | -.225 | -.288 | -.412 | -.332 | -.219 |
| .20 | -.244 | -.294 | -.317 | -.285 | -.219 |
| .30 | -.201 | -.315 | -.301 | -.267 | -.221 |
| .40 | -.199 | -.267 | -.251 | -.267 | -.236 |
| .50 | -.203 | -.249 | -.249 | -.271 | -.238 |
| .60 | -.164 | -.201 | -.294 | -.277 | -.259 |
| .67 | | | -.317 | | |
| .70 | -.116 | -.243 | | -.293 | -.292 |
| .80 | -.096 | | | -.332 | -.341 |
| .84 | | | -.005 | | |
| .86 | | -.218 | | | |
| .90 | | | | -.265 | -.307 |
| .91 | -.093 | | | | |
| .95 | -.069 | -.088 | -.102 | -.141 | -.143 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.035 | -.139 | -.344 | -.502 | -.609 |
| .10 | -.106 | .145 | -.340 | -.459 | -.599 |
| .20 | -.140 | -.123 | -.311 | -.368 | -.373 |
| .30 | -.185 | -.214 | -.279 | -.301 | -.264 |
| .40 | -.177 | -.212 | -.234 | -.253 | -.262 |
| .50 | -.130 | -.193 | -.180 | -.200 | -.205 |
| .60 | -.104 | -.117 | -.105 | -.162 | -.087 |
| .67 | | | .042 | | |
| .70 | -.035 | .048 | | .067 | .092 |
| .80 | .082 | | | .223 | .210 |
| .84 | | | .311 | | |
| .86 | | .256 | | | |
| .90 | | | | .296 | .266 |
| .91 | .161 | | | | |
| .95 | .187 | .230 | .328 | .288 | .266 |

RUN = 562 POINT = 3

TABLE 111

WING PRESSURE COEFFICIENTS

RUN = 562 POINT = 5

| (A) ALPHA = -.76 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .020 | .305 | .631 | .746 | .626 | 0.00 | .008 | .275 | .595 | .762 | .679 |
| .05 | -.119 | -.156 | -.156 | -.183 | -.047 | .05 | -.164 | -.259 | -.309 | -.353 | -.198 |
| .10 | -.169 | -.171 | -.261 | -.206 | -.108 | .10 | -.219 | -.267 | -.430 | -.349 | -.221 |
| .20 | -.200 | -.204 | -.250 | -.213 | -.158 | .20 | -.242 | -.286 | -.395 | -.306 | -.233 |
| .30 | -.171 | -.238 | -.263 | -.225 | -.179 | .30 | -.206 | -.346 | -.315 | -.321 | -.244 |
| .40 | -.169 | -.216 | -.178 | -.228 | -.217 | .40 | -.210 | -.305 | -.223 | -.282 | -.285 |
| .50 | -.164 | -.202 | -.208 | -.266 | -.211 | .50 | -.210 | -.257 | -.253 | -.284 | -.283 |
| .60 | -.129 | -.168 | -.267 | -.313 | -.247 | .60 | -.174 | -.192 | -.301 | -.344 | -.332 |
| .67 | | | -.313 | | | .67 | | | -.340 | | |
| .70 | -.079 | -.212 | | -.370 | -.302 | .70 | -.113 | -.241 | | -.414 | -.337 |
| .80 | -.069 | | | -.319 | -.452 | .80 | -.094 | | | -.438 | -.409 |
| .84 | | | -.010 | | | .84 | | | -.011 | | |
| .86 | | -.315 | | | | .86 | | -.338 | | | |
| .90 | | | | -.266 | -.290 | .90 | | | | -.234 | -.302 |
| .91 | -.100 | | | | | .91 | -.113 | | | | |
| .95 | -.081 | -.079 | -.081 | -.106 | -.076 | .95 | -.090 | -.085 | -.093 | -.087 | -.079 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.075 | -.295 | -.573 | -.707 | -.769 | .05 | -.040 | -.163 | -.360 | -.545 | -.663 |
| .10 | -.150 | .140 | -.536 | -.809 | -.901 | .10 | -.111 | -.064 | -.379 | -.619 | -.791 |
| .20 | -.216 | -.289 | -.498 | -.728 | -.899 | .20 | -.181 | -.227 | -.397 | -.539 | -.663 |
| .30 | -.256 | -.323 | -.489 | -.645 | -.801 | .30 | -.219 | -.251 | -.392 | -.444 | -.531 |
| .40 | -.235 | -.353 | -.490 | -.553 | -.648 | .40 | -.200 | -.270 | -.347 | -.375 | -.260 |
| .50 | -.187 | -.376 | -.266 | -.230 | -.124 | .50 | -.154 | -.298 | -.237 | -.228 | -.209 |
| .60 | -.166 | -.206 | -.151 | -.167 | -.044 | .60 | -.128 | -.175 | -.139 | -.168 | -.075 |
| .67 | | | .036 | | | .67 | | | .044 | | |
| .70 | -.110 | .035 | | .081 | .110 | .70 | -.071 | .046 | | .084 | .114 |
| .80 | .039 | | | .225 | .247 | .80 | .063 | | | .235 | .229 |
| .84 | | | .301 | | | .84 | | | .315 | | |
| .86 | | .223 | | | | .86 | | .249 | | | |
| .90 | | | | .302 | .302 | .90 | | | | .301 | .280 |
| .91 | .143 | | | | | .91 | .153 | | | | |
| .95 | .326 | .229 | .350 | .298 | .286 | .95 | .223 | .243 | .350 | .303 | .280 |

RUN = 562 POINT = 7

TABLE 111 CONTINUED

RUN = 562 POINT = 8

| (C) ALPHA = 1.14 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.005 | .235 | .550 | .754 | .718 | 0.00 | -.025 | .194 | .497 | .738 | .734 |
| .05 | -.208 | -.369 | -.474 | -.586 | -.375 | .05 | -.255 | -.481 | -.672 | -.677 | -.595 |
| .10 | -.253 | -.350 | -.568 | -.589 | -.331 | .10 | -.312 | -.467 | -.689 | -.749 | -.595 |
| .20 | -.274 | -.369 | -.486 | -.432 | -.324 | .20 | -.322 | -.441 | -.595 | -.671 | -.592 |
| .30 | -.234 | -.401 | -.531 | -.297 | -.318 | .30 | -.265 | -.470 | -.620 | -.596 | -.447 |
| .40 | -.244 | -.356 | -.257 | -.291 | -.339 | .40 | -.274 | -.464 | -.399 | -.344 | -.198 |
| .50 | -.251 | -.329 | -.265 | -.334 | -.338 | .50 | -.301 | -.397 | -.362 | -.289 | -.212 |
| .60 | -.213 | -.224 | -.317 | -.387 | -.373 | .60 | -.263 | -.289 | -.334 | -.349 | -.341 |
| .67 | | | -.354 | | | .67 | | | -.366 | | |
| .70 | -.147 | -.255 | | -.445 | -.417 | .70 | -.199 | -.295 | | -.427 | -.447 |
| .80 | -.113 | | | -.558 | -.471 | .80 | -.150 | | | -.486 | -.559 |
| .84 | | | -.016 | | | .84 | | | -.009 | | |
| .86 | | -.331 | | | | .86 | | -.326 | | | |
| .90 | | | | -.200 | -.296 | .90 | | | | -.274 | -.283 |
| .91 | -.122 | | | | | .91 | -.138 | | | | |
| .95 | -.100 | -.093 | -.103 | -.067 | -.078 | .95 | -.108 | -.093 | -.095 | -.094 | -.072 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.013 | -.062 | -.211 | -.371 | -.468 | .05 | .008 | .002 | -.094 | -.226 | -.266 |
| .10 | -.075 | -.062 | -.271 | -.452 | -.604 | .10 | -.049 | -.040 | -.176 | -.309 | -.419 |
| .20 | -.149 | -.173 | -.300 | -.378 | -.475 | .20 | -.119 | -.115 | -.222 | -.300 | -.323 |
| .30 | -.181 | -.191 | -.297 | -.341 | -.353 | .30 | -.146 | -.143 | -.235 | -.270 | -.285 |
| .40 | -.164 | -.218 | -.263 | -.341 | -.253 | .40 | -.131 | -.172 | -.213 | -.270 | -.224 |
| .50 | -.115 | -.231 | -.200 | -.208 | -.188 | .50 | -.089 | -.188 | -.173 | -.189 | -.179 |
| .60 | -.096 | -.140 | -.122 | -.162 | -.076 | .60 | -.070 | -.113 | -.108 | -.145 | -.072 |
| .67 | | | .050 | | | .67 | | | .054 | | |
| .70 | -.041 | .059 | | .089 | .117 | .70 | -.017 | .069 | | .096 | .117 |
| .80 | .089 | | | .251 | .258 | .80 | .099 | | | .258 | .275 |
| .84 | | | .322 | | | .84 | | | .324 | | |
| .86 | | .269 | | | | .86 | | .268 | | | |
| .90 | | | | .307 | .321 | .90 | | | | .320 | .339 |
| .91 | .174 | | | | | .91 | .182 | | | | |
| .95 | .201 | .243 | .348 | .301 | .315 | .95 | .186 | .247 | .346 | .310 | .322 |

RUN = 562 POINT = 9

TABLE 111 CONTINUED

RUN = 562 POINT = 10

| (E) ALPHA = 2.95 DEGREES | | | | | | (F) ALPHA = 3.41 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.046 | .122 | .445 | .720 | .740 | 0.00 | -.063 | .088 | .411 | .710 | .740 |
| .05 | -.322 | -.627 | -.898 | -.776 | -.702 | .05 | -.357 | -.741 | -.983 | -.830 | -.746 |
| .10 | -.367 | -.579 | -.873 | -.851 | -.750 | .10 | -.402 | -.634 | -.980 | -.890 | -.793 |
| .20 | -.348 | -.492 | -.701 | -.807 | -.717 | .20 | -.383 | -.526 | -.807 | -.858 | -.777 |
| .30 | -.312 | -.536 | -.693 | -.783 | -.700 | .30 | -.331 | -.574 | -.729 | -.842 | -.755 |
| .40 | -.307 | -.548 | -.555 | -.719 | -.695 | .40 | -.327 | -.586 | -.617 | -.810 | -.741 |
| .50 | -.339 | -.497 | -.491 | -.647 | -.696 | .50 | -.353 | -.533 | -.566 | -.760 | -.737 |
| .60 | -.314 | -.379 | -.416 | -.347 | -.670 | .60 | -.344 | -.436 | -.467 | -.687 | -.756 |
| .67 | | | -.416 | | | .67 | | | -.471 | | |
| .70 | -.245 | -.356 | | -.412 | -.179 | .70 | -.285 | -.403 | | -.423 | -.680 |
| .80 | -.196 | | | -.300 | -.385 | .80 | -.225 | | | -.283 | -.307 |
| .84 | | | -.005 | | | .84 | | | -.007 | | |
| .86 | | -.315 | | | | .86 | | -.324 | | | |
| .90 | | | | -.245 | -.297 | .90 | | | | -.224 | -.246 |
| .91 | -.162 | | | | | .91 | -.180 | | | | |
| .95 | -.130 | -.112 | -.113 | -.088 | -.109 | .95 | -.148 | -.137 | -.124 | -.085 | -.106 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .043 | .089 | .028 | -.094 | -.111 | .05 | .047 | .137 | .076 | -.061 | -.057 |
| .10 | -.012 | .015 | -.079 | -.199 | -.250 | .10 | .002 | .065 | -.037 | -.152 | -.197 |
| .20 | -.080 | -.034 | -.145 | -.215 | -.234 | .20 | -.065 | 0.000 | -.117 | -.181 | -.201 |
| .30 | -.104 | -.086 | -.166 | -.211 | -.227 | .30 | -.086 | -.067 | -.146 | -.181 | -.187 |
| .40 | -.093 | -.121 | -.158 | -.215 | -.175 | .40 | -.078 | -.098 | -.129 | -.187 | -.164 |
| .50 | -.048 | -.146 | -.127 | -.154 | -.132 | .50 | -.037 | -.126 | -.118 | -.141 | -.120 |
| .60 | -.033 | -.082 | -.085 | -.118 | -.038 | .60 | -.024 | -.071 | -.078 | -.115 | -.024 |
| .67 | | | .066 | | | .67 | | | .074 | | |
| .70 | .013 | .079 | | .110 | .145 | .70 | .019 | .085 | | .120 | .149 |
| .80 | .122 | | | .282 | .299 | .80 | .128 | | | .282 | .311 |
| .84 | | | .328 | | | .84 | | | .328 | | |
| .86 | | .284 | | | | .86 | | .290 | | | |
| .90 | | | | .343 | .360 | .90 | | | | .345 | .369 |
| .91 | .197 | | | | | .91 | .201 | | | | |
| .95 | .193 | .251 | .348 | .334 | .346 | .95 | .194 | .248 | .335 | .331 | .360 |

RUN = 562 POINT = 11

TABLE 111 CONTINUED

RUN = 562 POINT = 12

| (G) ALPHA = 3.92 DEGREES | | | | | | (H) ALPHA = 4.98 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .047 | .375 | .690 | .738 | 0.00 | -.125 | -.047 | .299 | .643 | .724 |
| .05 | -.388 | -.830 | -1.048 | -.875 | -.783 | .05 | -.456 | -1.046 | -1.170 | -.957 | -.870 |
| .10 | -.430 | -.726 | -1.066 | -.934 | -.821 | .10 | -.486 | -.952 | -1.201 | -1.022 | -.924 |
| .20 | -.413 | -.570 | -.934 | -.904 | -.818 | .20 | -.460 | -.641 | -1.129 | -1.000 | -.908 |
| .30 | -.339 | -.590 | -.765 | -.895 | -.795 | .30 | -.360 | -.647 | -.908 | -.992 | -.891 |
| .40 | -.351 | -.604 | -.673 | -.860 | -.795 | .40 | -.379 | -.674 | -.733 | -.965 | -.887 |
| .50 | -.360 | -.559 | -.615 | -.847 | -.797 | .50 | -.400 | -.618 | -.694 | -.963 | -.882 |
| .60 | -.354 | -.479 | -.559 | -.794 | -.806 | .60 | -.400 | -.575 | -.692 | -.928 | -.887 |
| .67 | | | -.506 | | | .67 | | | -.622 | | |
| .70 | -.315 | -.435 | | -.617 | -.802 | .70 | -.368 | -.513 | | -.900 | -.839 |
| .80 | -.256 | | | -.263 | -.606 | .80 | -.309 | | | -.580 | -.616 |
| .84 | | | -.006 | | | .84 | | | -.016 | | |
| .86 | | -.332 | | | | .86 | | -.360 | | | |
| .90 | | | | -.184 | -.212 | .90 | | | | -.191 | -.293 |
| .91 | -.211 | | | | | .91 | -.281 | | | | |
| .95 | -.169 | -.155 | -.147 | -.065 | -.030 | .95 | -.221 | -.204 | -.175 | -.064 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .166 | .146 | .007 | .004 | .05 | .085 | .229 | .232 | .113 | .070 |
| .10 | .020 | .106 | .005 | -.096 | -.143 | .10 | .053 | .159 | .083 | -.017 | -.064 |
| .20 | -.037 | .036 | -.074 | -.142 | -.157 | .20 | -.002 | .068 | -.020 | -.073 | -.100 |
| .30 | -.064 | -.031 | -.109 | -.148 | -.153 | .30 | -.025 | .018 | -.070 | -.110 | -.113 |
| .40 | -.056 | -.068 | -.104 | -.160 | -.136 | .40 | -.021 | -.028 | -.079 | -.121 | -.113 |
| .50 | -.016 | -.093 | -.096 | -.124 | -.103 | .50 | .014 | -.059 | -.066 | -.108 | -.093 |
| .60 | -.001 | -.054 | -.063 | -.099 | -.016 | .60 | .019 | -.028 | -.050 | -.093 | -.026 |
| .67 | | | .082 | | | .67 | | | .085 | | |
| .70 | .035 | .096 | | .122 | .153 | .70 | .059 | .103 | | .117 | .129 |
| .80 | .139 | | | .290 | .316 | .80 | .157 | | | .289 | .283 |
| .84 | | | .328 | | | .84 | | | .327 | | |
| .86 | | .300 | | | | .86 | | .303 | | | |
| .90 | | | | .352 | .373 | .90 | | | | .346 | .344 |
| .91 | .209 | | | | | .91 | .217 | | | | |
| .95 | .198 | .251 | .336 | .333 | .357 | .95 | .206 | .239 | .324 | .330 | .322 |

RUN = 562 POINT = 13

TABLE 111 CONTINUED

RUN = 562 POINT = 14

| (I) ALPHA = 6.13 DEGREES | | | | | | (J) ALPHA = 8.16 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.168 | -.138 | .216 | .589 | .704 | 0.00 | -.288 | -.320 | .051 | .471 | .644 |
| .05 | -.540 | -1.186 | -1.258 | -1.047 | -.967 | .05 | -.719 | -1.290 | -1.376 | -1.213 | -1.126 |
| .10 | -.574 | -1.115 | -1.280 | -1.104 | -1.007 | .10 | -.693 | -1.263 | -1.366 | -1.230 | -1.157 |
| .20 | -.502 | -.746 | -1.235 | -1.076 | -.987 | .20 | -.558 | -1.100 | -1.326 | -1.195 | -1.121 |
| .30 | -.393 | -.691 | -1.164 | -1.071 | -.974 | .30 | -.468 | -1.032 | -1.293 | -1.175 | -1.074 |
| .40 | -.405 | -.704 | -.888 | -1.041 | -.963 | .40 | -.460 | -.911 | -1.122 | -1.116 | -1.020 |
| .50 | -.433 | -.664 | -.739 | -1.036 | -.965 | .50 | -.498 | -.823 | -.978 | -1.046 | -1.016 |
| .60 | -.433 | -.646 | -.743 | -.986 | -.930 | .60 | -.509 | -.715 | -.940 | -.695 | -.792 |
| .67 | | | -.718 | | | .67 | | | -.852 | | |
| .70 | -.420 | -.594 | | -.904 | -.581 | .70 | -.511 | -.665 | | -.550 | -.440 |
| .80 | -.360 | | | -.516 | -.378 | .80 | -.464 | | | -.467 | -.384 |
| .84 | | | -.017 | | | .84 | | | -.040 | | |
| .86 | | -.418 | | | | .86 | | -.493 | | | |
| .90 | | | | -.333 | -.281 | .90 | | | | -.408 | -.353 |
| .91 | -.348 | | | | | .91 | -.451 | | | | |
| .95 | -.301 | -.233 | -.163 | -.230 | -.234 | .95 | -.423 | -.239 | -.322 | -.381 | -.320 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .287 | .315 | .203 | .177 | .05 | .120 | .366 | .442 | .341 | .294 |
| .10 | .099 | .212 | .159 | .066 | .021 | .10 | .122 | .272 | .282 | .185 | .122 |
| .20 | .036 | .115 | .053 | -.021 | -.049 | .20 | .120 | .168 | .154 | .077 | .028 |
| .30 | .013 | .061 | -.008 | -.055 | -.078 | .30 | .084 | .137 | .072 | .011 | -.021 |
| .40 | .017 | .015 | -.039 | -.085 | -.094 | .40 | .084 | .084 | .035 | -.026 | -.071 |
| .50 | .053 | -.022 | -.035 | -.094 | -.103 | .50 | .103 | .042 | .011 | -.070 | -.101 |
| .60 | .056 | .002 | -.026 | -.097 | -.056 | .60 | .101 | .044 | .006 | -.104 | -.070 |
| .67 | | | .099 | | | .67 | | | .116 | | |
| .70 | .081 | .129 | | .110 | .096 | .70 | .118 | .149 | | .075 | .063 |
| .80 | .173 | | | .272 | .259 | .80 | .199 | | | .240 | .235 |
| .84 | | | .326 | | | .84 | | | .326 | | |
| .86 | | .312 | | | | .86 | | .318 | | | |
| .90 | | | | .323 | .312 | .90 | | | | .287 | .290 |
| .91 | .227 | | | | | .91 | .240 | | | | |
| .95 | .212 | .243 | .324 | .305 | .281 | .95 | .219 | .235 | .304 | .262 | .250 |

RUN = 562 POINT = 20

TABLE 111 CONTINUED

RUN = 562 POINT = 21

| (K) ALPHA = 9.95 DEGREES | | | | | | (L) ALPHA = 11.86 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.410 | -.484 | -.109 | .361 | .587 | 0.00 | -.538 | -.666 | -.295 | .249 | .527 |
| .05 | -.885 | -1.288 | -1.131 | -.779 | -.954 | .05 | -1.089 | -1.302 | -1.128 | -.657 | -.607 |
| .10 | -.880 | -1.295 | -1.120 | -.741 | -.801 | .10 | -1.065 | -1.307 | -1.100 | -.667 | -.562 |
| .20 | -.604 | -1.249 | -1.064 | -.737 | -.815 | .20 | -.674 | -1.302 | -1.014 | -.664 | -.557 |
| .30 | -.509 | -1.254 | -.976 | -.681 | -.643 | .30 | -.521 | -1.376 | -.907 | -.651 | -.555 |
| .40 | -.509 | -1.175 | -.881 | -.666 | -.602 | .40 | -.528 | -1.368 | -.865 | -.647 | -.541 |
| .50 | -.546 | -1.110 | -.801 | -.631 | -.657 | .50 | -.573 | -1.191 | -.825 | -.642 | -.541 |
| .60 | -.555 | -.966 | -.770 | -.586 | -.621 | .60 | -.597 | -.890 | -.793 | -.633 | -.514 |
| .67 | | | -.733 | | | .67 | | | -.783 | | |
| .70 | -.531 | -.743 | | -.571 | -.481 | .70 | -.545 | -.833 | | -.629 | -.477 |
| .80 | -.356 | | | -.527 | -.476 | .80 | -.206 | | | -.609 | -.472 |
| .84 | | | -.052 | | | .84 | | | -.062 | | |
| .86 | | -.576 | | | | .86 | | -.718 | | | |
| .90 | | | | -.500 | -.420 | .90 | | | | -.587 | -.465 |
| .91 | -.388 | | | | | .91 | -.318 | | | | |
| .95 | -.347 | -.486 | -.637 | -.474 | -.411 | .95 | -.355 | -.676 | -.695 | -.551 | -.452 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .127 | .410 | .518 | .425 | .362 | .05 | .117 | .443 | .584 | .506 | .437 |
| .10 | .159 | .408 | .356 | .257 | .192 | .10 | .183 | .411 | .437 | .350 | .267 |
| .20 | .152 | .364 | .226 | .128 | .074 | .20 | .203 | .375 | .289 | .200 | .139 |
| .30 | .139 | .189 | .139 | .054 | .009 | .30 | .196 | .247 | .196 | .103 | .055 |
| .40 | .139 | .133 | .085 | -.009 | -.049 | .40 | .192 | .192 | .136 | .038 | -.018 |
| .50 | .146 | .082 | .039 | -.076 | -.095 | .50 | .197 | .129 | .082 | -.045 | -.072 |
| .60 | .141 | .074 | .012 | -.134 | -.081 | .60 | .179 | .116 | .042 | -.110 | -.074 |
| .67 | | | .106 | | | .67 | | | .118 | | |
| .70 | .146 | .158 | | .033 | .053 | .70 | .181 | .183 | | .041 | .048 |
| .80 | .213 | | | .211 | .228 | .80 | .237 | | | .208 | .215 |
| .84 | | | .299 | | | .84 | | | .303 | | |
| .86 | | .316 | | | | .86 | | .322 | | | |
| .90 | | | | .266 | .278 | .90 | | | | .261 | .263 |
| .91 | .254 | | | | | .91 | .265 | | | | |
| .95 | .250 | .208 | .257 | .233 | .240 | .95 | .248 | .205 | .256 | .230 | .223 |

RUN = 562 POINT = 22

TABLE 111

CONCLUDED

| | (M) ALPHA = .27 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .013 | .277 | .585 | .756 | .678 |
| .05 | -.164 | -.263 | -.318 | -.374 | -.211 |
| .10 | -.214 | -.261 | -.424 | -.340 | -.214 |
| .20 | -.240 | -.291 | -.386 | -.316 | -.237 |
| .30 | -.207 | -.326 | -.309 | -.312 | -.245 |
| .40 | -.205 | -.300 | -.220 | -.278 | -.280 |
| .50 | -.205 | -.251 | -.249 | -.280 | -.281 |
| .60 | -.166 | -.198 | -.302 | -.345 | -.310 |
| .67 | | | -.339 | | |
| .70 | -.110 | -.237 | | -.416 | -.334 |
| .80 | -.092 | | | -.423 | -.413 |
| .84 | | | -.009 | | |
| .86 | | -.332 | | | |
| .90 | | | | -.238 | -.321 |
| .91 | -.112 | | | | |
| .95 | -.110 | -.083 | -.092 | -.091 | -.087 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.043 | -.166 | -.381 | -.544 | -.638 |
| .10 | -.090 | .167 | -.390 | -.624 | -.776 |
| .20 | -.185 | -.135 | -.376 | -.514 | -.685 |
| .30 | -.213 | -.247 | -.398 | -.432 | -.520 |
| .40 | -.194 | -.268 | -.341 | -.378 | -.264 |
| .50 | -.142 | -.305 | -.235 | -.231 | -.209 |
| .60 | -.123 | -.166 | -.137 | -.166 | -.079 |
| .67 | | | .041 | | |
| .70 | -.068 | .045 | | .083 | .109 |
| .80 | .071 | | | .230 | .230 |
| .84 | | | .316 | | |
| .86 | | .242 | | | |
| .90 | | | | .292 | .280 |
| .91 | .164 | | | | |
| .95 | .214 | .239 | .350 | .299 | .277 |

RUN = 561 POINT = 1

TABLE 112

WING PRESSURE COEFFICIENTS

RUN = 561 POINT = 2

| (A) ALPHA = -.76 DEGREES | | | | | | (B) ALPHA = .25 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .023 | .305 | .639 | .755 | .632 | 0.00 | .012 | .279 | .591 | .769 | .681 |
| .05 | -.114 | -.148 | -.138 | -.169 | -.058 | .05 | -.159 | -.252 | -.301 | -.370 | -.200 |
| .10 | -.163 | -.155 | -.243 | -.197 | -.105 | .10 | -.213 | -.251 | -.401 | -.363 | -.212 |
| .20 | -.195 | -.193 | -.228 | -.202 | -.152 | .20 | -.241 | -.297 | -.388 | -.297 | -.225 |
| .30 | -.159 | -.220 | -.264 | -.213 | -.185 | .30 | -.206 | -.318 | -.386 | -.295 | -.255 |
| .40 | -.159 | -.209 | -.153 | -.224 | -.225 | .40 | -.206 | -.286 | -.212 | -.273 | -.277 |
| .50 | -.169 | -.188 | -.195 | -.256 | -.221 | .50 | -.219 | -.250 | -.208 | -.300 | -.284 |
| .60 | -.124 | -.140 | -.245 | -.298 | -.297 | .60 | -.170 | -.176 | -.269 | -.352 | -.339 |
| .67 | | | -.289 | | | .67 | | | -.310 | | |
| .70 | -.071 | -.195 | | -.374 | -.329 | .70 | -.105 | -.218 | | -.403 | -.386 |
| .80 | -.062 | | | -.499 | -.468 | .80 | -.088 | | | -.531 | -.516 |
| .84 | | | -.064 | | | .84 | | | -.080 | | |
| .86 | | -.346 | | | | .86 | | -.357 | | | |
| .90 | | | | -.213 | -.310 | .90 | | | | -.227 | -.288 |
| .91 | -.105 | | | | | .91 | -.118 | | | | |
| .95 | -.096 | -.075 | -.085 | -.070 | -.056 | .95 | -.107 | -.095 | -.112 | -.042 | -.049 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.277 | -.571 | -.670 | -.721 | .05 | -.043 | -.159 | -.363 | -.533 | -.604 |
| .10 | -.133 | -.043 | -.526 | -.767 | -.865 | .10 | -.109 | -.089 | -.385 | -.615 | -.749 |
| .20 | -.221 | -.298 | -.512 | -.707 | -.865 | .20 | -.191 | -.231 | -.386 | -.579 | -.728 |
| .30 | -.292 | -.312 | -.493 | -.661 | -.830 | .30 | -.226 | -.244 | -.406 | -.538 | -.673 |
| .40 | -.238 | -.325 | -.504 | -.681 | -.771 | .40 | -.206 | -.282 | -.419 | -.535 | -.587 |
| .50 | -.185 | -.415 | -.559 | -.272 | -.428 | .50 | -.146 | -.329 | -.269 | -.225 | -.151 |
| .60 | -.165 | -.270 | -.142 | -.134 | -.006 | .60 | -.129 | -.195 | -.143 | -.168 | -.054 |
| .67 | | | .036 | | | .67 | | | .041 | | |
| .70 | -.127 | .033 | | .090 | .111 | .70 | -.082 | .046 | | .086 | .122 |
| .80 | .023 | | | .239 | .234 | .80 | .053 | | | .250 | .267 |
| .84 | | | .300 | | | .84 | | | .309 | | |
| .86 | | .216 | | | | .86 | | .240 | | | |
| .90 | | | | .317 | .281 | .90 | | | | .315 | .324 |
| .91 | .133 | | | | | .91 | .152 | | | | |
| .95 | .178 | .239 | .348 | .315 | .274 | .95 | .169 | .240 | .344 | .314 | .314 |

RUN = 561 POINT = 3

TABLE 112 CONTINUED

RUN = 561 POINT = 4

| (C) ALPHA = 1.16 DEGREES | | | | | | (D) ALPHA = 1.96 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -0.000 | .235 | .566 | .758 | .715 | 0.00 | -.018 | .205 | .514 | .750 | .733 |
| .05 | -.209 | -.352 | -.446 | -.542 | -.399 | .05 | -.272 | -.457 | -.652 | -.636 | -.549 |
| .10 | -.264 | -.352 | -.542 | -.564 | -.411 | .10 | -.317 | -.449 | -.639 | -.692 | -.563 |
| .20 | -.278 | -.374 | -.472 | -.486 | -.303 | .20 | -.332 | -.416 | -.586 | -.641 | -.559 |
| .30 | -.237 | -.400 | -.530 | -.417 | -.277 | .30 | -.276 | -.460 | -.595 | -.612 | -.552 |
| .40 | -.237 | -.372 | -.310 | -.224 | -.296 | .40 | -.266 | -.454 | -.433 | -.543 | -.492 |
| .50 | -.263 | -.325 | -.261 | -.275 | -.295 | .50 | -.302 | -.405 | -.394 | -.488 | -.470 |
| .60 | -.220 | -.229 | -.289 | -.337 | -.367 | .60 | -.274 | -.311 | -.335 | -.326 | -.352 |
| .67 | | | -.325 | | | .67 | | | -.369 | | |
| .70 | -.155 | -.247 | | -.397 | -.430 | .70 | -.197 | -.303 | | -.399 | -.340 |
| .80 | -.119 | | | -.537 | -.542 | .80 | -.154 | | | -.523 | -.511 |
| .84 | | | -.061 | | | .84 | | | -.054 | | |
| .86 | | -.353 | | | | .86 | | -.360 | | | |
| .90 | | | | -.215 | -.234 | .90 | | | | -.182 | -.282 |
| .91 | -.129 | | | | | .91 | -.154 | | | | |
| .95 | -.112 | -.095 | -.108 | -.065 | -.040 | .95 | -.126 | -.105 | -.124 | -.050 | -.071 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.013 | -.068 | -.211 | -.366 | -.473 | .05 | .011 | .007 | -.074 | -.249 | -.294 |
| .10 | -.071 | -.081 | -.280 | -.484 | -.593 | .10 | -.046 | -.041 | -.184 | -.339 | -.473 |
| .20 | -.156 | -.164 | -.298 | -.417 | -.484 | .20 | -.123 | -.111 | -.220 | -.318 | -.378 |
| .30 | -.192 | -.174 | -.335 | -.351 | -.437 | .30 | -.149 | -.135 | -.240 | -.306 | -.304 |
| .40 | -.170 | -.213 | -.302 | -.395 | -.295 | .40 | -.134 | -.169 | -.242 | -.318 | -.247 |
| .50 | -.117 | -.253 | -.216 | -.213 | -.231 | .50 | -.083 | -.194 | -.185 | -.202 | -.192 |
| .60 | -.101 | -.147 | -.131 | -.162 | -.080 | .60 | -.070 | -.122 | -.116 | -.140 | -.059 |
| .67 | | | .050 | | | .67 | | | .052 | | |
| .70 | -.047 | .059 | | .091 | .110 | .70 | -.020 | .065 | | .100 | .124 |
| .80 | .081 | | | .247 | .248 | .80 | .102 | | | .253 | .275 |
| .84 | | | .320 | | | .84 | | | .325 | | |
| .86 | | .266 | | | | .86 | | .278 | | | |
| .90 | | | | .305 | .314 | .90 | | | | .320 | .341 |
| .91 | .170 | | | | | .91 | .184 | | | | |
| .95 | .170 | .246 | .348 | .314 | .308 | .95 | .175 | .250 | .347 | .312 | .337 |

RUN = 561 POINT = 8

TABLE 112 CONTINUED

RUN = 561 POINT = 9

| (E) ALPHA = 2.94 DEGREES | | | | | | (F) ALPHA = 3.43 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.045 | .130 | .462 | .732 | .739 | 0.00 | -.067 | .089 | .422 | .719 | .742 |
| .05 | -.323 | -.627 | -.838 | -.713 | -.638 | .05 | -.358 | -.688 | -.917 | -.777 | -.694 |
| .10 | -.370 | -.558 | -.813 | -.785 | -.666 | .10 | -.391 | -.628 | -.937 | -.834 | -.727 |
| .20 | -.375 | -.477 | -.699 | -.756 | -.659 | .20 | -.401 | -.515 | -.805 | -.817 | -.721 |
| .30 | -.286 | -.499 | -.660 | -.743 | -.655 | .30 | -.304 | -.530 | -.694 | -.817 | -.714 |
| .40 | -.318 | -.514 | -.553 | -.718 | -.662 | .40 | -.328 | -.566 | -.623 | -.772 | -.713 |
| .50 | -.325 | -.465 | -.506 | -.660 | -.662 | .50 | -.343 | -.511 | -.549 | -.765 | -.727 |
| .60 | -.308 | -.396 | -.461 | -.602 | -.671 | .60 | -.334 | -.443 | -.557 | -.724 | -.740 |
| .67 | | | -.433 | | | .67 | | | -.474 | | |
| .70 | -.264 | -.368 | | -.450 | -.703 | .70 | -.288 | -.404 | | -.606 | -.761 |
| .80 | -.205 | | | -.557 | -.645 | .80 | -.227 | | | -.575 | -.704 |
| .84 | | | -.055 | | | .84 | | | -.057 | | |
| .86 | | -.388 | | | | .86 | | -.408 | | | |
| .90 | | | | -.157 | -.223 | .90 | | | | -.156 | -.357 |
| .91 | -.203 | | | | | .91 | -.228 | | | | |
| .95 | -.168 | -.147 | -.168 | -.032 | -.071 | .95 | -.197 | -.168 | -.197 | -.036 | -.152 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .033 | .095 | .025 | -.126 | -.146 | .05 | .046 | .134 | .080 | -.063 | -.091 |
| .10 | -.014 | .078 | -.098 | -.218 | -.339 | .10 | -.001 | .094 | -.039 | -.183 | -.255 |
| .20 | -.088 | -.033 | -.150 | -.236 | -.285 | .20 | -.071 | -.006 | -.123 | -.201 | -.241 |
| .30 | -.110 | -.085 | -.177 | -.240 | -.252 | .30 | -.090 | -.070 | -.159 | -.221 | -.228 |
| .40 | -.101 | -.126 | -.186 | -.244 | -.211 | .40 | -.080 | -.108 | -.159 | -.223 | -.200 |
| .50 | -.053 | -.154 | -.150 | -.177 | -.145 | .50 | -.038 | -.138 | -.141 | -.170 | -.143 |
| .60 | -.038 | -.093 | -.099 | -.138 | -.041 | .60 | -.027 | -.085 | -.096 | -.134 | -.045 |
| .67 | | | .061 | | | .67 | | | .060 | | |
| .70 | .002 | .077 | | .107 | .139 | .70 | .011 | .077 | | .104 | .127 |
| .80 | .117 | | | .265 | .294 | .80 | .120 | | | .263 | .292 |
| .84 | | | .324 | | | .84 | | | .321 | | |
| .86 | | .288 | | | | .86 | | .283 | | | |
| .90 | | | | .328 | .361 | .90 | | | | .327 | .349 |
| .91 | .189 | | | | | .91 | .193 | | | | |
| .95 | .187 | .237 | .337 | .323 | .351 | .95 | .183 | .237 | .332 | .325 | .333 |

RUN = 561 POINT = 10

TABLE 112 CONTINUED

RUN = 561 POINT = 11

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.079 | .057 | .402 | .710 | .747 | 0.00 | -.126 | -.026 | .324 | .670 | .733 |
| .05 | -.387 | -.806 | -.978 | -.830 | -.732 | .05 | -.463 | -1.015 | -1.088 | -.917 | -.795 |
| .10 | -.450 | -.686 | -1.012 | -.879 | -.775 | .10 | -.504 | -.917 | -1.111 | -.964 | -.855 |
| .20 | -.417 | -.554 | -.888 | -.857 | -.782 | .20 | -.446 | -.604 | -1.060 | -.947 | -.857 |
| .30 | -.317 | -.551 | -.707 | -.843 | -.763 | .30 | -.363 | -.611 | -.927 | -.937 | -.838 |
| .40 | -.337 | -.587 | -.653 | -.823 | -.754 | .40 | -.370 | -.628 | -.686 | -.913 | -.833 |
| .50 | -.352 | -.534 | -.593 | -.821 | -.759 | .50 | -.385 | -.581 | -.655 | -.911 | -.836 |
| .60 | -.352 | -.491 | -.598 | -.794 | -.780 | .60 | -.385 | -.561 | -.664 | -.929 | -.850 |
| .67 | | | -.525 | | | .67 | | | -.632 | | |
| .70 | -.324 | -.436 | | -.755 | -.761 | .70 | -.366 | -.508 | | -.871 | -.793 |
| .80 | -.254 | | | -.683 | -.663 | .80 | -.298 | | | -.842 | -.645 |
| .84 | | | -.058 | | | .84 | | | -.061 | | |
| .86 | | -.417 | | | | .86 | | -.452 | | | |
| .90 | | | | -.153 | -.343 | .90 | | | | -.387 | -.383 |
| .91 | -.246 | | | | | .91 | -.304 | | | | |
| .95 | -.211 | -.192 | -.209 | -.029 | -.202 | .95 | -.274 | -.257 | -.232 | -.203 | -.254 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .059 | .161 | .124 | -.020 | -.045 | .05 | .077 | .219 | .212 | .079 | .044 |
| .10 | .010 | .123 | -.006 | -.131 | -.202 | .10 | .046 | .161 | .080 | -.036 | -.110 |
| .20 | -.052 | .028 | -.096 | -.165 | -.202 | .20 | -.013 | .082 | -.018 | -.098 | -.145 |
| .30 | -.078 | -.037 | -.125 | -.180 | -.205 | .30 | -.037 | .005 | -.084 | -.140 | -.157 |
| .40 | -.061 | -.082 | -.134 | -.209 | -.183 | .40 | -.026 | -.039 | -.103 | -.167 | -.163 |
| .50 | -.022 | -.109 | -.120 | -.156 | -.140 | .50 | .009 | -.069 | -.087 | -.149 | -.141 |
| .60 | -.013 | -.067 | -.085 | -.131 | -.056 | .60 | .016 | -.043 | -.069 | -.128 | -.069 |
| .67 | | | .066 | | | .67 | | | .071 | | |
| .70 | .023 | .084 | | .103 | .120 | .70 | .044 | .095 | | .099 | .094 |
| .80 | .131 | | | .264 | .276 | .80 | .142 | | | .260 | .254 |
| .84 | | | .314 | | | .84 | | | .310 | | |
| .86 | | .287 | | | | .86 | | .294 | | | |
| .90 | | | | .335 | .331 | .90 | | | | .326 | .309 |
| .91 | .197 | | | | | .91 | .205 | | | | |
| .95 | .190 | .234 | .323 | .323 | .312 | .95 | .194 | .228 | .306 | .323 | .287 |

RUN = 561 POINT = 12

TABLE 112 CONTINUED

RUN = 561 POINT = 13

| (I) ALPHA = 6.11 DEGREES | | | | | | (J) ALPHA = 8.16 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.173 | -.112 | .249 | .615 | .719 | 0.00 | -.285 | -.275 | .090 | .508 | .668 |
| .05 | -.543 | -1.153 | -1.169 | -.990 | -.900 | .05 | -.722 | -1.264 | -1.300 | -1.137 | -1.046 |
| .10 | -.551 | -1.077 | -1.201 | -1.028 | -.943 | .10 | -.711 | -1.222 | -1.311 | -1.148 | -1.075 |
| .20 | -.477 | -.682 | -1.156 | -1.016 | -.932 | .20 | -.540 | -1.064 | -1.266 | -1.127 | -1.051 |
| .30 | -.395 | -.668 | -1.100 | -1.005 | -.917 | .30 | -.453 | -.965 | -1.223 | -1.114 | -1.029 |
| .40 | -.386 | -.657 | -.914 | -.983 | -.920 | .40 | -.450 | -.865 | -1.113 | -1.094 | -1.001 |
| .50 | -.423 | -.627 | -.698 | -.981 | -.920 | .50 | -.481 | -.787 | -.906 | -1.072 | -.998 |
| .60 | -.416 | -.612 | -.715 | -.961 | -.879 | .60 | -.490 | -.697 | -.855 | -1.035 | -.906 |
| .67 | | | -.687 | | | .67 | | | -.833 | | |
| .70 | -.403 | -.570 | | -.932 | -.764 | .70 | -.488 | -.650 | | -.798 | -.551 |
| .80 | -.347 | | | -.681 | -.537 | .80 | -.442 | | | -.585 | -.464 |
| .84 | | | -.065 | | | .84 | | | -.103 | | |
| .86 | | -.493 | | | | .86 | | -.565 | | | |
| .90 | | | | -.455 | -.342 | .90 | | | | -.475 | -.411 |
| .91 | -.357 | | | | | .91 | -.437 | | | | |
| .95 | -.347 | -.283 | -.240 | -.363 | -.288 | .95 | -.446 | -.305 | -.335 | -.430 | -.392 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .095 | .285 | .316 | .184 | .126 | .05 | .120 | .367 | .432 | .325 | .272 |
| .10 | .073 | .215 | .148 | .040 | -.025 | .10 | .120 | .276 | .274 | .170 | .105 |
| .20 | .023 | .112 | .040 | -.036 | -.085 | .20 | .094 | .169 | .145 | .060 | .007 |
| .30 | .009 | .059 | -.022 | -.078 | -.114 | .30 | .081 | .133 | .060 | -.002 | -.045 |
| .40 | .012 | .007 | -.059 | -.110 | -.131 | .40 | .079 | .077 | .028 | -.045 | -.088 |
| .50 | .042 | -.035 | -.047 | -.116 | -.140 | .50 | .105 | .032 | -.006 | -.089 | -.120 |
| .60 | .045 | -.013 | -.045 | -.122 | -.092 | .60 | .099 | .035 | -.007 | -.122 | -.091 |
| .67 | | | .087 | | | .67 | | | .107 | | |
| .70 | .073 | .108 | | .084 | .068 | .70 | .112 | .137 | | .064 | .053 |
| .80 | .166 | | | .253 | .237 | .80 | .194 | | | .231 | .223 |
| .84 | | | .316 | | | .84 | | | .316 | | |
| .86 | | .305 | | | | .86 | | .316 | | | |
| .90 | | | | .306 | .295 | .90 | | | | .284 | .269 |
| .91 | .217 | | | | | .91 | .234 | | | | |
| .95 | .204 | .221 | .310 | .287 | .265 | .95 | .214 | .222 | .298 | .260 | .237 |

RUN = 561 POINT = 15

TABLE 112 CONCLUDED

RUN = 561 POINT = 16

| (K) ALPHA = 11.95 DEGREES | | | | | | (L) ALPHA = .27 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.517 | -.641 | -.264 | .248 | .527 | 0.00 | .012 | .273 | .604 | .761 | .679 |
| .05 | -1.117 | -1.245 | -1.256 | -.697 | -.662 | .05 | -.156 | -.261 | -.268 | -.381 | -.202 |
| .10 | -1.101 | -1.250 | -1.239 | -.694 | -.640 | .10 | -.210 | -.250 | -.389 | -.348 | -.204 |
| .20 | -.702 | -1.243 | -1.118 | -.692 | -.601 | .20 | -.245 | -.300 | -.392 | -.285 | -.233 |
| .30 | -.491 | -1.315 | -1.045 | -.677 | -.599 | .30 | -.204 | -.319 | -.383 | -.303 | -.250 |
| .40 | -.508 | -1.332 | -.948 | -.659 | -.573 | .40 | -.201 | -.289 | -.218 | -.273 | -.279 |
| .50 | -.550 | -1.341 | -.882 | -.656 | -.575 | .50 | -.212 | -.246 | -.218 | -.301 | -.284 |
| .60 | -.574 | -1.307 | -.835 | -.649 | -.524 | .60 | -.173 | -.180 | -.268 | -.337 | -.330 |
| .67 | | | -.803 | | | .67 | | | -.315 | | |
| .70 | -.582 | -1.007 | | -.636 | -.504 | .70 | -.107 | -.221 | | -.397 | -.389 |
| .80 | -.534 | | | -.625 | -.504 | .80 | -.081 | | | -.521 | -.516 |
| .84 | | | -.069 | | | .84 | | | -.017 | | |
| .86 | | -.638 | | | | .86 | | -.361 | | | |
| .90 | | | | -.602 | -.492 | .90 | | | | -.227 | -.277 |
| .91 | -.234 | | | | | .91 | -.116 | | | | |
| .95 | -.256 | -.631 | -.746 | -.571 | -.473 | .95 | -.099 | -.096 | -.114 | -.045 | -.048 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .118 | .449 | .595 | .502 | .442 | .05 | -.042 | -.173 | -.357 | -.512 | -.625 |
| .10 | .180 | .389 | .446 | .345 | .268 | .10 | -.105 | .151 | -.386 | -.613 | -.748 |
| .20 | .203 | .285 | .308 | .207 | .137 | .20 | -.182 | -.154 | -.397 | -.561 | -.749 |
| .30 | .195 | .260 | .211 | .107 | .057 | .30 | -.225 | -.237 | -.406 | -.523 | -.666 |
| .40 | .192 | .196 | .148 | .040 | -.015 | .40 | -.199 | -.276 | -.426 | -.518 | -.567 |
| .50 | .197 | .141 | .096 | -.036 | -.076 | .50 | -.151 | -.327 | -.280 | -.226 | -.169 |
| .60 | .186 | .124 | .056 | -.102 | -.076 | .60 | -.138 | -.201 | -.143 | -.168 | -.057 |
| .67 | | | .132 | | | .67 | | | .040 | | |
| .70 | .184 | .194 | | .052 | .042 | .70 | -.086 | .041 | | .085 | .124 |
| .80 | .243 | | | .217 | .207 | .80 | .058 | | | .247 | .262 |
| .84 | | | .313 | | | .84 | | | .310 | | |
| .86 | | .338 | | | | .86 | | .243 | | | |
| .90 | | | | .273 | .253 | .90 | | | | .310 | .322 |
| .91 | .269 | | | | | .91 | .154 | | | | |
| .95 | .247 | .223 | .266 | .244 | .214 | .95 | .218 | .238 | .346 | .313 | .308 |

RUN = 560 POINT = 4

TABLE 113

WING PRESSURE COEFFICIENTS

RUN = 560 POINT = 7

| (A) ALPHA = -.86 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .294 | .642 | .755 | .646 | 0.00 | .004 | .272 | .605 | .771 | .692 |
| .05 | -.110 | -.131 | -.121 | -.179 | -.061 | .05 | -.169 | -.239 | -.263 | -.377 | -.186 |
| .10 | -.151 | -.153 | -.274 | -.192 | -.105 | .10 | -.201 | -.229 | -.408 | -.384 | -.211 |
| .20 | -.216 | -.193 | -.245 | -.197 | -.153 | .20 | -.250 | -.295 | -.362 | -.305 | -.216 |
| .30 | -.180 | -.255 | -.228 | -.239 | -.183 | .30 | -.218 | -.317 | -.383 | -.255 | -.235 |
| .40 | -.168 | -.210 | -.156 | -.211 | -.220 | .40 | -.201 | -.300 | -.242 | -.233 | -.270 |
| .50 | -.168 | -.173 | -.191 | -.252 | -.258 | .50 | -.216 | -.261 | -.219 | -.281 | -.304 |
| .60 | -.122 | -.138 | -.233 | -.285 | -.296 | .60 | -.169 | -.170 | -.233 | -.334 | -.335 |
| .67 | | | -.268 | | | .67 | | | -.279 | | |
| .70 | -.072 | -.183 | | -.356 | -.348 | .70 | -.112 | -.193 | | -.375 | -.379 |
| .80 | -.056 | | | -.487 | -.487 | .80 | -.084 | | | -.506 | -.504 |
| .84 | | | -.113 | | | .84 | | | -.109 | | |
| .86 | | -.360 | | | | .86 | | -.357 | | | |
| .90 | | | | -.287 | -.229 | .90 | | | | -.299 | -.258 |
| .91 | -.108 | | | | | .91 | -.116 | | | | |
| .95 | -.116 | -.113 | -.093 | -.029 | -.036 | .95 | -.120 | -.113 | -.116 | -.056 | -.053 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.074 | -.307 | -.551 | -.615 | -.670 | .05 | -.035 | -.162 | -.351 | -.493 | -.568 |
| .10 | -.137 | .302 | -.519 | -.725 | -.815 | .10 | -.099 | -.078 | -.367 | -.580 | -.717 |
| .20 | -.224 | -.128 | -.495 | -.693 | -.811 | .20 | -.186 | -.191 | -.384 | -.558 | -.698 |
| .30 | -.287 | -.327 | -.472 | -.674 | -.801 | .30 | -.254 | -.238 | -.410 | -.541 | -.686 |
| .40 | -.312 | -.327 | -.493 | -.658 | -.785 | .40 | -.218 | -.259 | -.425 | -.583 | -.663 |
| .50 | -.151 | -.403 | -.579 | -.701 | -.615 | .50 | -.137 | -.343 | -.465 | -.438 | -.512 |
| .60 | -.174 | -.364 | -.177 | -.196 | -.148 | .60 | -.131 | -.269 | -.139 | -.155 | -.048 |
| .67 | | | .019 | | | .67 | | | .045 | | |
| .70 | -.147 | -.002 | | .025 | .023 | .70 | -.097 | .037 | | .078 | .112 |
| .80 | .006 | | | .200 | .129 | .80 | .045 | | | .232 | .261 |
| .84 | | | .254 | | | .84 | | | .291 | | |
| .86 | | .191 | | | | .86 | | .235 | | | |
| .90 | | | | .304 | .221 | .90 | | | | .284 | .337 |
| .91 | .125 | | | | | .91 | .145 | | | | |
| .95 | .635 | .232 | .321 | .314 | .217 | .95 | .289 | .241 | .328 | .290 | .318 |

| (C) ALPHA = 1.12 DEGREES | | | | | | (D) ALPHA = 1.91 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .244 | .576 | .771 | .711 | 0.00 | -.017 | .212 | .537 | .767 | .729 |
| .05 | -.220 | -.336 | -.428 | -.507 | -.391 | .05 | -.263 | -.405 | -.625 | -.576 | -.488 |
| .10 | -.265 | -.351 | -.525 | -.529 | -.402 | .10 | -.323 | -.447 | -.612 | -.637 | -.514 |
| .20 | -.316 | -.344 | -.460 | -.481 | -.389 | .20 | -.323 | -.398 | -.543 | -.607 | -.522 |
| .30 | -.229 | -.372 | -.519 | -.461 | -.370 | .30 | -.257 | -.430 | -.568 | -.589 | -.521 |
| .40 | -.253 | -.382 | -.351 | -.396 | -.289 | .40 | -.272 | -.430 | -.438 | -.515 | -.517 |
| .50 | -.253 | -.332 | -.311 | -.277 | -.296 | .50 | -.281 | -.390 | -.427 | -.526 | -.512 |
| .60 | -.231 | -.239 | -.289 | -.314 | -.327 | .60 | -.259 | -.310 | -.346 | -.422 | -.493 |
| .67 | | | -.311 | | | .67 | | | -.356 | | |
| .70 | -.150 | -.254 | | -.361 | -.384 | .70 | -.201 | -.303 | | -.385 | -.479 |
| .80 | -.120 | | | -.490 | -.502 | .80 | -.154 | | | -.514 | -.498 |
| .84 | | | -.086 | | | .84 | | | -.076 | | |
| .86 | | -.371 | | | | .86 | | -.402 | | | |
| .90 | | | | -.244 | -.435 | .90 | | | | -.227 | -.294 |
| .91 | -.139 | | | | | .91 | -.176 | | | | |
| .95 | -.133 | -.119 | -.125 | -.058 | -.084 | .95 | -.156 | -.156 | -.158 | -.051 | -.043 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.009 | -.065 | -.231 | -.367 | -.462 | .05 | .016 | .009 | -.110 | -.271 | -.349 |
| .10 | -.071 | -.073 | -.269 | -.479 | -.603 | .10 | -.043 | -.035 | -.190 | -.372 | -.486 |
| .20 | -.156 | -.147 | -.306 | -.459 | -.568 | .20 | -.129 | -.100 | -.229 | -.370 | -.450 |
| .30 | -.233 | -.184 | -.343 | -.461 | -.534 | .30 | -.165 | -.138 | -.279 | -.346 | -.406 |
| .40 | -.156 | -.228 | -.352 | -.496 | -.462 | .40 | -.129 | -.175 | -.282 | -.378 | -.394 |
| .50 | -.114 | -.283 | -.251 | -.235 | -.197 | .50 | -.084 | -.240 | -.209 | -.218 | -.195 |
| .60 | -.099 | -.187 | -.135 | -.167 | -.073 | .60 | -.069 | -.140 | -.130 | -.169 | -.062 |
| .67 | | | .053 | | | .67 | | | .053 | | |
| .70 | -.060 | .054 | | .091 | .118 | .70 | -.033 | .059 | | .093 | .128 |
| .80 | .073 | | | .238 | .271 | .80 | .093 | | | .245 | .273 |
| .84 | | | .299 | | | .84 | | | .305 | | |
| .86 | | .265 | | | | .86 | | .272 | | | |
| .90 | | | | .295 | .335 | .90 | | | | .309 | .337 |
| .91 | .169 | | | | | .91 | .178 | | | | |
| .95 | .246 | .250 | .327 | .290 | .319 | .95 | .225 | .248 | .324 | .306 | .327 |

RUN = 560 POINT = 10

TABLE 113 CONTINUED

RUN = 560 POINT = 11

| (E) ALPHA = 2.90 DEGREES | | | | | | (F) ALPHA = 3.36 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|--------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.043 | .148 | .487 | .756 | .743 | 0.00 | -.056 | .124 | .464 | .735 | .745 |
| .05 | -.317 | -.595 | -.764 | -.650 | -.582 | .05 | -.344 | -.689 | -.830 | -.699 | -.620 |
| .10 | -.368 | -.520 | -.764 | -.723 | -.615 | .10 | -.389 | -.590 | -.855 | -.759 | -.656 |
| .20 | -.357 | -.466 | -.659 | -.703 | -.618 | .20 | -.369 | -.498 | -.731 | -.741 | -.658 |
| .30 | -.293 | -.468 | -.625 | -.690 | -.603 | .30 | -.309 | -.490 | -.648 | -.741 | -.653 |
| .40 | -.293 | -.493 | -.525 | -.677 | -.611 | .40 | -.303 | -.519 | -.578 | -.715 | -.658 |
| .50 | -.310 | -.445 | -.489 | -.613 | -.625 | .50 | -.324 | -.464 | -.515 | -.710 | -.670 |
| .60 | -.302 | -.392 | -.481 | -.608 | -.642 | .60 | -.311 | -.428 | -.544 | -.675 | -.677 |
| .67 | | | -.409 | | | .67 | | | -.477 | | |
| .70 | -.257 | -.348 | | -.551 | -.679 | .70 | -.283 | -.377 | | -.618 | -.710 |
| .80 | -.190 | | | -.529 | -.644 | .80 | -.213 | | | -.639 | -.667 |
| .84 | | | -.073 | | | .84 | | | -.069 | | |
| .86 | | -.426 | | | | .86 | | -.437 | | | |
| .90 | | | | -.217 | -.323 | .90 | | | | -.215 | -.355 |
| .91 | -.208 | | | | | .91 | -.226 | | | | -.355 |
| .95 | -.195 | -.187 | -.194 | -.069 | -.146 | .95 | -.211 | -.210 | -.208 | -.078 | -.258 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .042 | .095 | .014 | -.137 | -.172 | .05 | .051 | .131 | .067 | -.084 | -.117 |
| .10 | -.015 | .023 | -.096 | -.247 | -.387 | .10 | -0.000 | .064 | -.049 | -.200 | -.341 |
| .20 | -.096 | -.037 | -.169 | -.265 | -.340 | .20 | -.073 | -.007 | -.135 | -.239 | -.306 |
| .30 | -.114 | -.088 | -.199 | -.267 | -.323 | .30 | -.101 | -.060 | -.169 | -.239 | -.270 |
| .40 | -.105 | -.130 | -.203 | -.335 | -.276 | .40 | -.079 | -.111 | -.188 | -.299 | -.269 |
| .50 | -.049 | -.164 | -.170 | -.195 | -.186 | .50 | -.036 | -.145 | -.162 | -.195 | -.193 |
| .60 | -.043 | -.105 | -.118 | -.162 | -.069 | .60 | -.026 | -.090 | -.113 | -.158 | -.074 |
| .67 | | | .058 | | | .67 | | | .060 | | |
| .70 | -.005 | .074 | | .093 | .115 | .70 | .007 | .079 | | .087 | .104 |
| .80 | .110 | | | .252 | .271 | .80 | .121 | | | .249 | .259 |
| .84 | | | .308 | | | .84 | | | .305 | | |
| .86 | | .285 | | | | .86 | | .286 | | | |
| .90 | | | | .314 | .334 | .90 | | | | .316 | .323 |
| .91 | .191 | | | | | .91 | .194 | | | | |
| .95 | .213 | .239 | .319 | .307 | .319 | .95 | .209 | .237 | .311 | .309 | .302 |

| (G) ALPHA = 3.82 DEGREES | | | | | | (H) ALPHA = 4.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.073 | .093 | .427 | .727 | .751 | 0.00 | -.119 | .007 | .366 | .690 | .748 |
| .05 | -.374 | -.768 | -.901 | -.748 | -.649 | .05 | -.459 | -.950 | -1.007 | -.830 | -.723 |
| .10 | -.419 | -.651 | -.928 | -.805 | -.692 | .10 | -.472 | -.880 | -1.045 | -.891 | -.778 |
| .20 | -.387 | -.525 | -.833 | -.792 | -.699 | .20 | -.414 | -.566 | -.977 | -.878 | -.782 |
| .30 | -.323 | -.522 | -.668 | -.797 | -.687 | .30 | -.355 | -.582 | -.842 | -.874 | -.778 |
| .40 | -.322 | -.544 | -.615 | -.766 | -.695 | .40 | -.345 | -.582 | -.635 | -.865 | -.783 |
| .50 | -.333 | -.489 | -.558 | -.779 | -.702 | .50 | -.362 | -.540 | -.626 | -.871 | -.788 |
| .60 | -.322 | -.463 | -.571 | -.761 | -.721 | .60 | -.356 | -.522 | -.626 | -.880 | -.801 |
| .67 | | | -.518 | | | .67 | | | -.586 | | |
| .70 | -.299 | -.413 | | -.727 | -.749 | .70 | -.332 | -.472 | | -.834 | -.768 |
| .80 | -.230 | | | -.680 | -.692 | .80 | -.272 | | | -.823 | -.709 |
| .84 | | | -.073 | | | .84 | | | -.076 | | |
| .86 | | -.451 | | | | .86 | | -.485 | | | |
| .90 | | | | -.274 | -.388 | .90 | | | | -.485 | -.448 |
| .91 | -.245 | | | | | .91 | -.291 | | | -.327 | -.361 |
| .95 | -.232 | -.233 | -.223 | -.099 | -.297 | .95 | -.287 | -.269 | -.252 | -.327 | -.361 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .065 | .157 | .125 | -.037 | -.066 | .05 | .082 | .219 | .212 | .062 | .020 |
| .10 | .014 | .100 | -.008 | -.149 | -.262 | .10 | .047 | .147 | .071 | -.055 | -.131 |
| .20 | -.052 | .024 | -.105 | -.199 | -.250 | .20 | -.018 | .080 | -.027 | -.119 | -.169 |
| .30 | -.080 | -.043 | -.156 | -.213 | -.249 | .30 | -.025 | .008 | -.091 | -.161 | -.200 |
| .40 | -.063 | -.092 | -.156 | -.267 | -.254 | .40 | -.023 | -.042 | -.123 | -.192 | -.219 |
| .50 | -.020 | -.121 | -.145 | -.191 | -.193 | .50 | .013 | -.085 | -.104 | -.181 | -.218 |
| .60 | -.009 | -.079 | -.107 | -.155 | -.083 | .60 | .022 | -.044 | -.086 | -.171 | -.102 |
| .67 | | | .063 | | | .67 | | | .069 | | |
| .70 | .020 | .083 | | .087 | .099 | .70 | .050 | .096 | | .075 | .072 |
| .80 | .126 | | | .245 | .254 | .80 | .146 | | | .243 | .236 |
| .84 | | | .301 | | | .84 | | | .298 | | |
| .86 | | .292 | | | | .86 | | .294 | | | |
| .90 | | | | .312 | .316 | .90 | | | | .305 | .293 |
| .91 | .197 | | | | | .91 | .208 | | | | |
| .95 | .203 | .231 | .303 | .310 | .292 | .95 | .208 | .230 | .298 | .289 | .269 |

RUN = 560 POINT = 22

TABLE 113 CONTINUED

RUN = 560 POINT = 23

| (I) ALPHA = 4.89 DEGREES | | | | | | (J) ALPHA = 6.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.113 | .017 | .363 | .691 | .742 | 0.00 | -.163 | -.068 | .288 | .651 | .726 |
| .05 | -.467 | -.955 | -.998 | -.830 | -.722 | .05 | -.541 | -1.073 | -1.087 | -.915 | -.797 |
| .10 | -.474 | -.858 | -1.038 | -.885 | -.773 | .10 | -.548 | -1.014 | -1.111 | -.958 | -.858 |
| .20 | -.415 | -.559 | -.976 | -.872 | -.780 | .20 | -.446 | -.612 | -1.088 | -.936 | -.858 |
| .30 | -.353 | -.574 | -.848 | -.868 | -.773 | .30 | -.385 | -.609 | -1.028 | -.936 | -.845 |
| .40 | -.343 | -.574 | -.632 | -.843 | -.776 | .40 | -.372 | -.624 | -.884 | -.913 | -.846 |
| .50 | -.364 | -.536 | -.632 | -.859 | -.774 | .50 | -.396 | -.590 | -.645 | -.922 | -.845 |
| .60 | -.355 | -.527 | -.624 | -.870 | -.795 | .60 | -.392 | -.573 | -.687 | -.929 | -.840 |
| .67 | | | -.588 | | | .67 | | | -.651 | | |
| .70 | -.336 | -.472 | | -.819 | -.774 | .70 | -.375 | -.524 | | -.882 | -.791 |
| .80 | -.270 | | | -.813 | -.719 | .80 | -.316 | | | -.825 | -.680 |
| .84 | | | -.076 | | | .84 | | | -.086 | | |
| .86 | | -.485 | | | | .86 | | -.501 | | | |
| .90 | | | | -.498 | -.511 | .90 | | | | -.542 | -.431 |
| .91 | -.289 | | | | | .91 | -.329 | | | | |
| .95 | -.285 | -.268 | -.257 | -.307 | -.404 | .95 | -.334 | -.315 | -.287 | -.443 | -.385 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .079 | .223 | .210 | .073 | .029 | .05 | .100 | .280 | .299 | .165 | .119 |
| .10 | .047 | .422 | .068 | -.045 | -.136 | .10 | .078 | .360 | .150 | .027 | -.038 |
| .20 | -.016 | .170 | -.025 | -.115 | -.172 | .20 | .026 | .182 | .038 | -.050 | -.113 |
| .30 | -.031 | .008 | -.087 | -.155 | -.209 | .30 | .009 | .059 | -.032 | -.096 | -.143 |
| .40 | -.022 | -.038 | -.122 | -.184 | -.205 | .40 | .015 | .004 | -.067 | -.152 | -.165 |
| .50 | .015 | -.078 | -.098 | -.177 | -.216 | .50 | .052 | -.037 | -.063 | -.150 | -.208 |
| .60 | .017 | -.044 | -.090 | -.167 | -.100 | .60 | .050 | -.012 | -.059 | -.155 | -.115 |
| .67 | | | .071 | | | .67 | | | .085 | | |
| .70 | .049 | .099 | | .079 | .076 | .70 | .074 | .114 | | .073 | .054 |
| .80 | .144 | | | .243 | .240 | .80 | .164 | | | .237 | .222 |
| .84 | | | .307 | | | .84 | | | .314 | | |
| .86 | | .297 | | | | .86 | | .305 | | | |
| .90 | | | | .300 | .290 | .90 | | | | .290 | .277 |
| .91 | .210 | | | | | .91 | .221 | | | | |
| .95 | .391 | .232 | .294 | .293 | .269 | .95 | .331 | .231 | .295 | .273 | .254 |

RUN = 560 POINT = 24

TABLE 113 CONTINUED

RUN = 560 POINT = 25

| (K) ALPHA = 8.10 DEGREES | | | | | | (L) ALPHA = 10.11 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.268 | -.235 | .141 | .554 | .688 | 0.00 | -.385 | -.420 | -.023 | .431 | .622 |
| .05 | -.679 | -1.189 | -1.216 | -1.056 | -.953 | .05 | -.861 | -1.156 | -1.251 | -1.177 | -1.092 |
| .10 | -.714 | -1.145 | -1.242 | -1.067 | -.987 | .10 | -.893 | -1.164 | -1.251 | -1.181 | -1.091 |
| .20 | -.523 | -.985 | -1.201 | -1.040 | -.970 | .20 | -.561 | -1.114 | -1.183 | -1.152 | -1.073 |
| .30 | -.420 | -.869 | -1.157 | -1.038 | -.955 | .30 | -.453 | -1.117 | -1.093 | -1.133 | -1.051 |
| .40 | -.420 | -.808 | -1.081 | -1.014 | -.948 | .40 | -.459 | -1.100 | -1.012 | -1.093 | -1.027 |
| .50 | -.443 | -.740 | -.850 | -1.025 | -.946 | .50 | -.483 | -1.091 | -.974 | -1.071 | -1.029 |
| .60 | -.452 | -.675 | -.799 | -1.007 | -.907 | .60 | -.498 | -1.057 | -.989 | -.891 | -.946 |
| .67 | | | -.776 | | | .67 | | | -.976 | | |
| .70 | -.456 | -.618 | | -.980 | -.829 | .70 | -.502 | -.944 | | -.703 | -.712 |
| .80 | -.411 | | | -.740 | -.622 | .80 | -.466 | | | -.622 | -.584 |
| .84 | | | -.105 | | | .84 | | | -.128 | | |
| .86 | | -.579 | | | | .86 | | -.605 | | | |
| .90 | | | | -.567 | -.505 | .90 | | | | -.569 | -.524 |
| .91 | -.400 | | | | | .91 | -.459 | | | | |
| .95 | -.413 | -.366 | -.362 | -.507 | -.486 | .95 | -.479 | -.424 | -.646 | -.542 | -.517 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .125 | .372 | .431 | .308 | .255 | .05 | .137 | .426 | .532 | .431 | .366 |
| .10 | .125 | .359 | .274 | .165 | .088 | .10 | .167 | .386 | .376 | .269 | .198 |
| .20 | .095 | .237 | .140 | .058 | -.002 | .20 | .163 | .285 | .230 | .145 | .079 |
| .30 | .082 | .133 | .069 | -.006 | -.057 | .30 | .152 | .217 | .149 | .069 | .014 |
| .40 | .088 | .075 | .022 | -.055 | -.100 | .40 | .154 | .151 | .094 | .003 | -.049 |
| .50 | .108 | .037 | .004 | -.104 | -.143 | .50 | .167 | .104 | .058 | -.060 | -.096 |
| .60 | .102 | .039 | -.006 | -.139 | -.103 | .60 | .156 | .091 | .034 | -.116 | -.078 |
| .67 | | | .111 | | | .67 | | | .130 | | |
| .70 | .117 | .141 | | .068 | .052 | .70 | .161 | .181 | | .060 | .057 |
| .80 | .195 | | | .231 | .215 | .80 | .228 | | | .229 | .223 |
| .84 | | | .319 | | | .84 | | | .332 | | |
| .86 | | .323 | | | | .86 | | .343 | | | |
| .90 | | | | .285 | .270 | .90 | | | | .282 | .268 |
| .91 | .244 | | | | | .91 | .261 | | | | |
| .95 | .297 | .222 | .297 | .256 | .237 | .95 | .285 | .245 | .290 | .263 | .235 |

RUN = 560 POINT = 26

TABLE 113 CONCLUDED

RUN = 560 POINT = 27

| (M) ALPHA = 12.06 DEGREES | | | | | | (N) ALPHA = .25 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.497 | -.599 | -.210 | .277 | .536 | 0.00 | .010 | .279 | .620 | .768 | .701 |
| .05 | -1.068 | -1.175 | -1.249 | -1.267 | -.963 | .05 | -.171 | -.241 | -.268 | -.380 | -.190 |
| .10 | -1.085 | -1.185 | -1.232 | -1.253 | -1.049 | .10 | -.210 | -.226 | -.409 | -.380 | -.216 |
| .20 | -.749 | -1.181 | -1.194 | -1.193 | -.977 | .20 | -.256 | -.287 | -.385 | -.294 | -.219 |
| .30 | -.454 | -1.234 | -1.159 | -1.128 | -.843 | .30 | -.217 | -.326 | -.398 | -.263 | -.234 |
| .40 | -.480 | -1.260 | -1.146 | -.932 | -.723 | .40 | -.206 | -.300 | -.237 | -.238 | -.274 |
| .50 | -.506 | -1.277 | -1.134 | -.787 | -.656 | .50 | -.217 | -.271 | -.224 | -.270 | -.268 |
| .60 | -.537 | -1.251 | -1.163 | -.694 | -.607 | .60 | -.165 | -.179 | -.241 | -.333 | -.333 |
| .67 | | | -1.179 | | | .67 | | | -.290 | | |
| .70 | -.543 | -1.271 | | -.651 | -.567 | .70 | -.108 | -.213 | | -.375 | -.388 |
| .80 | -.510 | | | -.627 | -.538 | .80 | -.079 | | | -.508 | -.512 |
| .84 | | | -.147 | | | .84 | | | -.111 | | |
| .86 | | -.908 | | | | .86 | | -.369 | | | |
| .90 | | | | -.604 | -.514 | .90 | | | | -.292 | -.277 |
| .91 | -.476 | | | | | .91 | -.119 | | | | |
| .95 | -.515 | -.606 | -.776 | -.586 | -.514 | .95 | -.116 | -.105 | -.132 | -.058 | -.059 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .140 | .469 | .601 | .527 | .475 | .05 | -.042 | -.175 | -.364 | -.508 | -.582 |
| .10 | .203 | .413 | .458 | .366 | .304 | .10 | -.099 | .156 | -.380 | -.580 | -.731 |
| .20 | .216 | .328 | .312 | .225 | .174 | .20 | -.188 | -.137 | -.376 | -.569 | -.708 |
| .30 | .222 | .281 | .227 | .133 | .090 | .30 | -.256 | -.252 | -.402 | -.544 | -.685 |
| .40 | .207 | .222 | .160 | .077 | .014 | .40 | -.165 | -.273 | -.427 | -.585 | -.674 |
| .50 | .224 | .167 | .115 | -.005 | -.041 | .50 | -.145 | -.341 | -.475 | -.472 | -.531 |
| .60 | .201 | .141 | .070 | -.077 | -.046 | .60 | -.130 | -.275 | -.142 | -.154 | -.050 |
| .67 | | | .162 | | | .67 | | | .040 | | |
| .70 | .207 | .212 | | .080 | .073 | .70 | -.097 | .039 | | .075 | .116 |
| .80 | .255 | | | .242 | .232 | .80 | .045 | | | .238 | .259 |
| .84 | | | .348 | | | .84 | | | .306 | | |
| .86 | | .360 | | | | .86 | | .235 | | | |
| .90 | | | | .304 | .286 | .90 | | | | .303 | .334 |
| .91 | .281 | | | | | .91 | .147 | | | | |
| .95 | .278 | .246 | .308 | .254 | .244 | .95 | .229 | .243 | .343 | .289 | .312 |

RUN = 566 POINT = 1

TABLE 114

WING PRESSURE COEFFICIENTS

RUN = 566 POINT = 2

| (A) ALPHA = -.68 DEGREES | | | | | | (B) ALPHA = .28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3909 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .027 | .291 | .594 | .726 | .602 | 0.00 | .019 | .265 | .562 | .739 | .660 |
| .05 | -.121 | -.178 | -.212 | -.210 | -.060 | .05 | -.164 | -.314 | -.382 | -.393 | -.224 |
| .10 | -.172 | -.199 | -.306 | -.237 | -.097 | .10 | -.221 | -.302 | -.436 | -.352 | -.227 |
| .20 | -.213 | -.240 | -.247 | -.216 | -.131 | .20 | -.249 | -.310 | -.334 | -.304 | -.226 |
| .30 | -.166 | -.260 | -.258 | -.219 | -.151 | .30 | -.204 | -.323 | -.309 | -.290 | -.224 |
| .40 | -.168 | -.222 | -.220 | -.223 | -.182 | .40 | -.204 | -.276 | -.269 | -.280 | -.242 |
| .50 | -.172 | -.214 | -.225 | -.223 | -.178 | .50 | -.204 | -.257 | -.267 | -.280 | -.239 |
| .60 | -.136 | -.202 | -.285 | -.241 | -.213 | .60 | -.172 | -.232 | -.311 | -.286 | -.259 |
| .67 | | | -.304 | | | .67 | | | -.334 | | |
| .70 | -.107 | -.258 | | -.271 | -.259 | .70 | -.135 | -.280 | | -.306 | -.302 |
| .80 | -.127 | | | -.307 | -.298 | .80 | -.145 | | | -.340 | -.340 |
| .84 | | | -.001 | | | .84 | | | -.002 | | |
| .86 | | -.241 | | | | .86 | | -.245 | | | |
| .90 | | | | -.249 | -.286 | .90 | | | | -.272 | -.321 |
| .91 | -.123 | | | | | .91 | -.133 | | | | |
| .95 | -.084 | -.076 | -.083 | -.126 | -.122 | .95 | -.090 | -.072 | -.085 | -.137 | -.145 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.064 | -.264 | -.519 | -.703 | -.900 | .05 | -.037 | -.151 | -.328 | -.465 | -.543 |
| .10 | -.142 | -.174 | -.481 | -.611 | -.846 | .10 | -.101 | -.157 | -.330 | -.441 | -.515 |
| .20 | -.197 | -.258 | -.375 | -.431 | -.394 | .20 | -.160 | -.191 | -.280 | -.362 | -.370 |
| .30 | -.217 | -.266 | -.311 | -.331 | -.313 | .30 | -.182 | -.197 | -.258 | -.296 | -.252 |
| .40 | -.205 | -.250 | -.251 | -.299 | -.294 | .40 | -.170 | -.195 | -.212 | -.244 | -.252 |
| .50 | -.148 | -.210 | -.204 | -.229 | -.222 | .50 | -.119 | -.170 | -.167 | -.197 | -.197 |
| .60 | -.111 | -.097 | -.120 | -.160 | -.089 | .60 | -.084 | -.085 | -.095 | -.158 | -.088 |
| .67 | | | .042 | | | .67 | | | .045 | | |
| .70 | -.025 | .081 | | .069 | .092 | .70 | -.009 | .089 | | .070 | .095 |
| .80 | .111 | | | .200 | .186 | .80 | .124 | | | .232 | .222 |
| .84 | | | .277 | | | .84 | | | .303 | | |
| .86 | | .242 | | | | .86 | | .257 | | | |
| .90 | | | | .254 | .237 | .90 | | | | .294 | .273 |
| .91 | .197 | | | | | .91 | .210 | | | | |
| .95 | .082 | .231 | .307 | .266 | .244 | .95 | .143 | .230 | .325 | .294 | .279 |

RUN = 566 POINT = 3

TABLE 114 CONTINUED

RUN = 566 POINT = 4

| (C) ALPHA = 1.13 DEGREES | | | | | | (D) ALPHA = 1.97 DEGREES | | | | | |
|--------------------------|--------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .003 | .211 | .499 | .730 | .710 | 0.00 | -.015 | .160 | .415 | .698 | .733 |
| .05 | -.208 | -.418 | -.536 | -.583 | -.383 | .05 | -.256 | -.553 | -.790 | -.851 | -.606 |
| .10 | -.270 | -.380 | -.565 | -.475 | -.352 | .10 | -.312 | -.484 | -.761 | -.623 | -.483 |
| .20 | -.288 | -.380 | -.396 | -.380 | -.297 | .20 | -.324 | -.432 | -.488 | -.415 | -.376 |
| .30 | -.235 | -.376 | -.367 | -.334 | -.284 | .30 | -.275 | -.438 | -.411 | -.381 | -.329 |
| .40 | -.241 | -.324 | -.312 | -.316 | -.288 | .40 | -.273 | -.367 | -.350 | -.363 | -.323 |
| .50 | -.237 | -.299 | -.297 | -.302 | -.276 | .50 | -.273 | -.333 | -.339 | -.349 | -.321 |
| .60 | -.200 | -.262 | -.343 | -.314 | -.290 | .60 | -.236 | -.285 | -.373 | -.351 | -.327 |
| .67 | | | -.355 | | | .67 | | | -.379 | | |
| .70 | -.153 | -.304 | | -.328 | -.327 | .70 | -.174 | -.327 | | -.345 | -.348 |
| .80 | -.166 | | | -.350 | -.365 | .80 | -.181 | | | -.359 | -.376 |
| .84 | | | -.007 | | | .84 | | | -.004 | | |
| .86 | | -.244 | | | | .86 | | -.245 | | | |
| .90 | | | | -.266 | -.333 | .90 | | | | -.252 | -.327 |
| .91 | -.137 | | | | | .91 | -.146 | | | | |
| .95 | -.094 | -.069 | -.083 | -.131 | -.149 | .95 | -.101 | -.069 | -.073 | -.123 | -.153 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -0.000 | -.050 | -.179 | -.272 | -.316 | .05 | .023 | .041 | -.051 | -.152 | -.163 |
| .10 | -.068 | -.112 | -.223 | -.314 | -.385 | .10 | -.037 | -.050 | -.148 | -.220 | -.280 |
| .20 | -.129 | -.145 | -.211 | -.272 | -.305 | .20 | -.097 | -.105 | -.174 | -.212 | -.236 |
| .30 | -.149 | -.147 | -.197 | -.251 | -.231 | .30 | -.121 | -.107 | -.152 | -.202 | -.201 |
| .40 | -.135 | -.170 | -.171 | -.219 | -.209 | .40 | -.109 | -.130 | -.136 | -.178 | -.185 |
| .50 | -.092 | -.141 | -.139 | -.169 | -.166 | .50 | -.064 | -.111 | -.119 | -.142 | -.142 |
| .60 | -.064 | -.063 | -.076 | -.143 | -.072 | .60 | -.037 | -.046 | -.065 | -.125 | -.061 |
| .67 | | | .054 | | | .67 | | | .064 | | |
| .70 | .007 | .095 | | .079 | .103 | .70 | .023 | .104 | | .087 | .106 |
| .80 | .141 | | | .244 | .254 | .80 | .156 | | | .254 | .277 |
| .84 | | | .315 | | | .84 | | | .318 | | |
| .86 | | .264 | | | | .86 | | .277 | | | |
| .90 | | | | .310 | .312 | .90 | | | | .315 | .330 |
| .91 | .217 | | | | | .91 | .228 | | | | |
| .95 | .152 | .235 | .332 | .300 | .308 | .95 | .171 | .238 | .334 | .305 | .320 |

| (E) ALPHA = 2.86 DEGREES | | | | | | (F) ALPHA = 3.33 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .055 | .336 | .640 | .731 | 0.00 | -.064 | .020 | .295 | .618 | .721 |
| .05 | -.317 | -.692 | -1.051 | -1.080 | -.894 | .05 | -.334 | -.731 | -1.221 | -1.175 | -1.041 |
| .10 | -.368 | -.592 | -.909 | -.973 | -.743 | .10 | -.387 | -.666 | -1.080 | -1.079 | -.905 |
| .20 | -.368 | -.519 | -.667 | -.398 | -.403 | .20 | -.385 | -.554 | -.717 | -.585 | -.396 |
| .30 | -.313 | -.486 | -.470 | -.420 | -.382 | .30 | -.324 | -.541 | -.466 | -.401 | -.394 |
| .40 | -.313 | -.422 | -.376 | -.396 | -.367 | .40 | -.320 | -.464 | -.375 | -.393 | -.379 |
| .50 | -.313 | -.372 | -.359 | -.382 | -.365 | .50 | -.328 | -.404 | -.360 | -.381 | -.379 |
| .60 | -.264 | -.305 | -.391 | -.366 | -.358 | .60 | -.276 | -.313 | -.387 | -.369 | -.370 |
| .67 | | | -.386 | | | .67 | | | -.385 | | |
| .70 | -.207 | -.336 | | -.360 | -.365 | .70 | -.215 | -.340 | | -.363 | -.366 |
| .80 | -.205 | | | -.360 | -.371 | .80 | -.206 | | | -.355 | -.366 |
| .84 | | | -0.000 | | | .84 | | | .005 | | |
| .86 | | -.232 | | | | .86 | | -.226 | | | |
| .90 | | | | -.243 | -.303 | .90 | | | | -.236 | -.287 |
| .91 | -.156 | | | | | .91 | -.156 | | | | |
| .95 | -.107 | -.056 | -.068 | -.113 | -.133 | .95 | -.107 | -.056 | -.064 | -.109 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .047 | .122 | .051 | -.031 | -.030 | .05 | .065 | .165 | .125 | .041 | .023 |
| .10 | -.005 | .022 | -.045 | -.119 | -.162 | .10 | .012 | .082 | .006 | -.065 | -.104 |
| .20 | -.066 | -.056 | -.105 | -.144 | -.164 | .20 | -.046 | -.015 | -.073 | -.099 | -.125 |
| .30 | -.086 | -.056 | -.113 | -.144 | -.148 | .30 | -.064 | -.031 | -.091 | -.117 | -.116 |
| .40 | -.074 | -.081 | -.103 | -.144 | -.137 | .40 | -.054 | -.058 | -.077 | -.107 | -.121 |
| .50 | -.040 | -.085 | -.089 | -.121 | -.118 | .50 | -.022 | -.060 | -.067 | -.101 | -.099 |
| .60 | -.017 | -.024 | -.047 | -.105 | -.047 | .60 | -.001 | -.008 | -.031 | -.097 | -.031 |
| .67 | | | .079 | | | .67 | | | .095 | | |
| .70 | .037 | .118 | | .094 | .113 | .70 | .052 | .123 | | .100 | .122 |
| .80 | .172 | | | .262 | .280 | .80 | .178 | | | .271 | .284 |
| .84 | | | .319 | | | .84 | | | .324 | | |
| .86 | | .286 | | | | .86 | | .289 | | | |
| .90 | | | | .320 | .331 | .90 | | | | .331 | .346 |
| .91 | .237 | | | | | .91 | .247 | | | | |
| .95 | .188 | .237 | .330 | .303 | .322 | .95 | .207 | .239 | .330 | .307 | .324 |

RUN = 566 POINT = 7

TABLE 114 CONTINUED

RUN = 566 POINT = 8

| (G) ALPHA = 3.84 DEGREES | | | | | | (H) ALPHA = 4.86 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|--------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.088 | -.050 | .235 | .582 | .704 | 0.00 | -.130 | -.163 | .142 | .513 | .666 |
| .05 | -.378 | -.851 | -1.370 | -1.267 | -1.138 | .05 | -.446 | -1.122 | -1.510 | -1.355 | -1.280 |
| .10 | -.427 | -.773 | -1.269 | -1.227 | -1.038 | .10 | -.486 | -.906 | -1.446 | -1.371 | -1.276 |
| .20 | -.419 | -.629 | -.810 | -1.072 | -.429 | .20 | -.456 | -.718 | -1.040 | -1.240 | -1.140 |
| .30 | -.351 | -.602 | -.517 | -.364 | -.380 | .30 | -.389 | -.698 | -.760 | -.887 | -.461 |
| .40 | -.353 | -.507 | -.399 | -.376 | -.390 | .40 | -.389 | -.609 | -.418 | -.339 | -.320 |
| .50 | -.355 | -.436 | -.378 | -.382 | -.392 | .50 | -.403 | -.519 | -.370 | -.327 | -.319 |
| .60 | -.304 | -.336 | -.403 | -.376 | -.376 | .60 | -.350 | -.364 | -.385 | -.337 | -.352 |
| .67 | | | -.396 | | | .67 | | | -.370 | | |
| .70 | -.235 | -.357 | | -.366 | -.371 | .70 | -.273 | -.360 | | -.337 | -.362 |
| .80 | -.219 | | | -.358 | -.365 | .80 | -.238 | | | -.329 | -.350 |
| .84 | | | -.004 | | | .84 | | | .006 | | |
| .86 | | -.222 | | | | .86 | | -.194 | | | |
| .90 | | | | -.249 | -.288 | .90 | | | | -.228 | -.296 |
| .91 | -.170 | | | | | .91 | -.179 | | | | |
| .95 | -.119 | -.067 | -.063 | -.120 | -.123 | .95 | -.126 | -.062 | -.049 | -.115 | -.129 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .068 | .199 | .165 | .096 | .076 | .05 | .093 | .258 | .271 | .192 | .180 |
| .10 | .027 | .121 | .034 | -.025 | -.051 | .10 | .062 | .178 | .127 | .060 | .045 |
| .20 | -.033 | .026 | -.036 | -.080 | -.089 | .20 | .011 | .078 | .026 | -.007 | -.018 |
| .30 | -.048 | -.021 | -.070 | -.094 | -.094 | .30 | -.004 | .031 | -.015 | -.044 | -.039 |
| .40 | -.050 | -.046 | -.074 | -.088 | -.104 | .40 | -0.000 | .002 | -.034 | -.048 | -.058 |
| .50 | -.013 | -.042 | -.050 | -.082 | -.087 | .50 | .024 | -.016 | -.016 | -.054 | -.046 |
| .60 | .011 | -0.000 | -.025 | -.083 | -.027 | .60 | .038 | .022 | 0.000 | -.056 | .003 |
| .67 | | | .100 | | | .67 | | | .111 | | |
| .70 | .059 | .127 | | .108 | .121 | .70 | .087 | .151 | | .120 | .138 |
| .80 | .182 | | | .273 | .286 | .80 | .203 | | | .283 | .298 |
| .84 | | | .322 | | | .84 | | | .327 | | |
| .86 | | .289 | | | | .86 | | .304 | | | |
| .90 | | | | .331 | .341 | .90 | | | | .339 | .347 |
| .91 | .247 | | | | | .91 | .260 | | | | |
| .95 | .216 | .233 | .320 | .305 | .326 | .95 | .233 | .238 | .323 | .321 | .330 |

| (I) ALPHA = 5.99 DEGREES | | | | | | (J) ALPHA = 7.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.193 | -.305 | .021 | .433 | .625 | 0.00 | -.312 | -.493 | -.169 | .311 | .550 |
| .05 | -.544 | -1.344 | -1.640 | -1.490 | -1.399 | .05 | -.739 | -1.533 | -1.456 | -.922 | -1.500 |
| .10 | -.567 | -1.230 | -1.590 | -1.504 | -1.403 | .10 | -.713 | -1.506 | -1.356 | -.874 | -1.412 |
| .20 | -.514 | -.797 | -1.478 | -1.372 | -1.299 | .20 | -.599 | -1.203 | -1.224 | -.763 | -1.043 |
| .30 | -.436 | -.765 | -.946 | -1.296 | -1.206 | .30 | -.509 | -.935 | -1.080 | -.703 | -.723 |
| .40 | -.444 | -.713 | -.564 | -.665 | -.509 | .40 | -.503 | -.633 | -.947 | -.630 | -.581 |
| .50 | -.450 | -.605 | -.410 | -.367 | -.583 | .50 | -.516 | -.509 | -.828 | -.558 | -.583 |
| .60 | -.397 | -.402 | -.389 | -.303 | -.311 | .60 | -.444 | -.414 | -.737 | -.495 | -.457 |
| .67 | | | -.360 | | | .67 | | | -.646 | | |
| .70 | -.332 | -.371 | | -.285 | -.294 | .70 | -.357 | -.410 | | -.443 | -.370 |
| .80 | -.281 | | | -.269 | -.298 | .80 | -.324 | | | -.389 | -.312 |
| .84 | | | 0.000 | | | .84 | | | -.035 | | |
| .86 | | -.182 | | | | .86 | | -.239 | | | |
| .90 | | | | -.184 | -.243 | .90 | | | | -.330 | -.265 |
| .91 | -.212 | | | | | .91 | -.276 | | | | |
| .95 | -.152 | -.070 | -.063 | -.096 | -.121 | .95 | -.182 | -.099 | -.369 | -.310 | -.188 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .108 | .303 | .355 | .285 | .272 | .05 | .114 | .352 | .446 | .362 | .334 |
| .10 | .097 | .228 | .198 | .146 | .116 | .10 | .118 | .270 | .285 | .198 | .164 |
| .20 | .051 | .126 | .096 | .050 | .035 | .20 | .098 | .165 | .156 | .091 | .061 |
| .30 | .022 | .079 | .034 | .008 | -.002 | .30 | .077 | .138 | .093 | .034 | .020 |
| .40 | .026 | .041 | .007 | -.006 | -.025 | .40 | .077 | .088 | .057 | -.001 | -.030 |
| .50 | .059 | .025 | .012 | -.024 | -.019 | .50 | .098 | .059 | .030 | -.057 | -.055 |
| .60 | .067 | .058 | .026 | -.038 | .022 | .60 | .098 | .076 | .024 | -.094 | -.023 |
| .67 | | | .136 | | | .67 | | | .119 | | |
| .70 | .112 | .164 | | .129 | .148 | .70 | .130 | .167 | | .061 | .102 |
| .80 | .222 | | | .289 | .308 | .80 | .230 | | | .215 | .272 |
| .84 | | | .339 | | | .84 | | | .305 | | |
| .86 | | .315 | | | | .86 | | .307 | | | |
| .90 | | | | .346 | .350 | .90 | | | | .272 | .324 |
| .91 | .273 | | | | | .91 | .283 | | | | |
| .95 | .240 | .243 | .335 | .323 | .340 | .95 | .256 | .222 | .281 | .249 | .294 |

RUN = 566 POINT = 11

TABLE 114 CONTINUED

RUN = 566 POINT = 12

| (K) ALPHA = 9.75 DEGREES | | | | | | (L) ALPHA = 11.64 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.458 | -.697 | -.337 | .217 | .514 | 0.00 | -.608 | -.922 | -.491 | .098 | .475 |
| .05 | -.930 | -1.588 | -1.084 | -.798 | -.774 | .05 | -1.125 | -1.555 | -1.009 | -.670 | -.510 |
| .10 | -.836 | -1.611 | -1.022 | -.764 | -.702 | .10 | -.968 | -1.496 | -.943 | -.656 | -.491 |
| .20 | -.671 | -1.510 | -.956 | -.736 | -.632 | .20 | -.720 | -1.317 | -.936 | -.644 | -.493 |
| .30 | -.558 | -1.341 | -.886 | -.682 | -.564 | .30 | -.622 | -1.199 | -.914 | -.624 | -.484 |
| .40 | -.569 | -1.039 | -.857 | -.652 | -.525 | .40 | -.608 | -1.127 | -.870 | -.618 | -.469 |
| .50 | -.567 | -.743 | -.834 | -.602 | -.545 | .50 | -.506 | -1.069 | -.827 | -.593 | -.473 |
| .60 | -.444 | -.470 | -.782 | -.566 | -.479 | .60 | -.457 | -.922 | -.787 | -.577 | -.437 |
| .67 | | | -.737 | | | .67 | | | -.763 | | |
| .70 | -.403 | -.503 | | -.529 | -.404 | .70 | -.451 | -.789 | | -.559 | -.422 |
| .80 | -.395 | | | -.485 | -.389 | .80 | -.459 | | | -.535 | -.418 |
| .84 | | | -.056 | | | .84 | | | -.057 | | |
| .86 | | -.389 | | | | .86 | | -.643 | | | |
| .90 | | | | -.443 | -.362 | .90 | | | | -.509 | -.409 |
| .91 | -.342 | | | | | .91 | -.445 | | | | |
| .95 | -.229 | -.285 | -.590 | -.417 | -.343 | .95 | -.307 | -.541 | -.643 | -.487 | -.394 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .107 | .394 | .518 | .432 | .381 | .05 | .096 | .419 | .575 | .506 | .437 |
| .10 | .147 | .324 | .362 | .271 | .207 | .10 | .169 | .363 | .430 | .345 | .267 |
| .20 | .147 | .218 | .229 | .139 | .093 | .20 | .189 | .262 | .290 | .197 | .133 |
| .30 | .131 | .183 | .144 | .056 | .032 | .30 | .185 | .243 | .191 | .106 | .060 |
| .40 | .127 | .133 | .098 | .012 | -.025 | .40 | .181 | .183 | .134 | .052 | -.003 |
| .50 | .135 | .098 | .052 | -.058 | -.063 | .50 | .179 | .136 | .080 | -.036 | -.050 |
| .60 | .137 | .098 | .024 | -.110 | -.053 | .60 | .169 | .123 | .044 | -.101 | -.054 |
| .67 | | | .100 | | | .67 | | | .104 | | |
| .70 | .154 | .173 | | .038 | .055 | .70 | .179 | .181 | | .028 | .049 |
| .80 | .246 | | | .200 | .228 | .80 | .263 | | | .190 | .216 |
| .84 | | | .277 | | | .84 | | | .270 | | |
| .86 | | .299 | | | | .86 | | .295 | | | |
| .90 | | | | .256 | .271 | .90 | | | | .238 | .253 |
| .91 | .286 | | | | | .91 | .287 | | | | |
| .95 | .262 | .189 | .225 | .219 | .232 | .95 | .269 | .156 | .207 | .199 | .216 |

RUN = 566 POINT = 13

TABLE 114 CONCLUDED

| (M) ALPHA = .34 DEGREES | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .023 | .265 | .551 | .740 | .663 |
| .05 | -.161 | -.316 | -.380 | -.405 | -.220 |
| .10 | -.224 | -.289 | -.428 | -.359 | -.228 |
| .20 | -.250 | -.305 | -.339 | -.295 | -.224 |
| .30 | -.208 | -.312 | -.325 | -.282 | -.226 |
| .40 | -.200 | -.277 | -.263 | -.268 | -.237 |
| .50 | -.202 | -.261 | -.267 | -.272 | -.235 |
| .60 | -.169 | -.230 | -.306 | -.289 | -.258 |
| .67 | | | -.335 | | |
| .70 | -.133 | -.279 | | -.301 | -.299 |
| .80 | -.145 | | | -.333 | -.344 |
| .84 | | | -.002 | | |
| .86 | | -.244 | | | |
| .90 | | | | -.272 | -.308 |
| .91 | -.129 | | | | |
| .95 | -.086 | -.072 | -.087 | -.145 | -.142 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.031 | -.145 | -.365 | -.474 | -.535 |
| .10 | -.104 | .142 | -.321 | -.419 | -.535 |
| .20 | -.155 | .218 | -.282 | -.353 | -.366 |
| .30 | -.187 | -.199 | -.250 | -.291 | -.243 |
| .40 | -.163 | -.194 | -.216 | -.248 | -.250 |
| .50 | -.116 | -.172 | -.170 | -.196 | -.198 |
| .60 | -.082 | -.083 | -.095 | -.155 | -.082 |
| .67 | | | .047 | | |
| .70 | -.007 | .084 | | .074 | .093 |
| .80 | .131 | | | .233 | .220 |
| .84 | | | .307 | | |
| .86 | | .249 | | | |
| .90 | | | | .300 | .272 |
| .91 | .210 | | | | |
| .95 | .242 | .226 | .331 | .300 | .278 |

RUN = 565 POINT = 3

TABLE 115

WING PRESSURE COEFFICIENTS

RUN = 565 POINT = 4

| (A) ALPHA = -.76 DEGREES | | | | | | (B) ALPHA = .25 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .019 | .302 | .614 | .740 | .623 | 0.00 | .008 | .277 | .588 | .761 | .680 |
| .05 | -.119 | -.160 | -.158 | -.213 | -.079 | .05 | -.157 | -.268 | -.315 | -.398 | -.219 |
| .10 | -.171 | -.187 | -.259 | -.220 | -.110 | .10 | -.215 | -.257 | -.423 | -.355 | -.234 |
| .20 | -.202 | -.217 | -.231 | -.224 | -.159 | .20 | -.240 | -.294 | -.372 | -.317 | -.254 |
| .30 | -.175 | -.246 | -.250 | -.237 | -.185 | .30 | -.206 | -.343 | -.301 | -.337 | -.261 |
| .40 | -.164 | -.225 | -.189 | -.246 | -.225 | .40 | -.204 | -.322 | -.227 | -.291 | -.292 |
| .50 | -.173 | -.217 | -.221 | -.257 | -.236 | .50 | -.215 | -.265 | -.254 | -.326 | -.288 |
| .60 | -.136 | -.185 | -.290 | -.316 | -.241 | .60 | -.176 | -.206 | -.303 | -.364 | -.328 |
| .67 | | | -.326 | | | .67 | | | -.362 | | |
| .70 | -.096 | -.256 | | -.382 | -.300 | .70 | -.129 | -.276 | | -.416 | -.330 |
| .80 | -.121 | | | -.307 | -.452 | .80 | -.142 | | | -.442 | -.417 |
| .84 | | | -.009 | | | .84 | | | .005 | | |
| .86 | | -.342 | | | | .86 | | -.357 | | | |
| .90 | | | | -.261 | -.297 | .90 | | | | -.236 | -.332 |
| .91 | -.162 | | | | | .91 | -.174 | | | | |
| .95 | -.117 | -.064 | -.059 | -.097 | -.077 | .95 | -.123 | -.068 | -.072 | -.083 | -.080 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.271 | -.564 | -.693 | -.755 | .05 | -.040 | -.156 | -.348 | -.519 | -.635 |
| .10 | -.147 | .118 | -.529 | -.798 | -.893 | .10 | -.108 | .003 | -.368 | -.604 | -.743 |
| .20 | -.217 | -.200 | -.487 | -.710 | -.858 | .20 | -.176 | -.160 | -.379 | -.479 | -.643 |
| .30 | -.256 | -.305 | -.460 | -.588 | -.797 | .30 | -.211 | -.217 | -.363 | -.410 | -.452 |
| .40 | -.232 | -.323 | -.423 | -.362 | -.494 | .40 | -.193 | -.248 | -.296 | -.368 | -.276 |
| .50 | -.177 | -.319 | -.224 | -.255 | -.158 | .50 | -.136 | -.248 | -.208 | -.226 | -.205 |
| .60 | -.153 | -.135 | -.138 | -.175 | -.055 | .60 | -.110 | -.110 | -.129 | -.167 | -.071 |
| .67 | | | .036 | | | .67 | | | .041 | | |
| .70 | -.074 | .072 | | .080 | .106 | .70 | -.038 | .079 | | .083 | .118 |
| .80 | .089 | | | .216 | .249 | .80 | .121 | | | .225 | .234 |
| .84 | | | .283 | | | .84 | | | .311 | | |
| .86 | | .215 | | | | .86 | | .241 | | | |
| .90 | | | | .282 | .299 | .90 | | | | .300 | .288 |
| .91 | .191 | | | | | .91 | .210 | | | | |
| .95 | .332 | .212 | .327 | .291 | .285 | .95 | .294 | .228 | .329 | .293 | .288 |

RUN = 565 POINT = 5

TABLE 115 CONTINUED

RUN = 565 POINT = 6

| (C) ALPHA = 1.19 DEGREES | | | | | | (D) ALPHA = 2.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -0.000 | .234 | .540 | .749 | .719 | 0.00 | -.021 | .189 | .507 | .745 | .736 |
| .05 | -.208 | -.372 | -.473 | -.602 | -.450 | .05 | -.243 | -.462 | -.707 | -.698 | -.610 |
| .10 | -.251 | -.342 | -.589 | -.615 | -.375 | .10 | -.303 | -.471 | -.698 | -.767 | -.617 |
| .20 | -.272 | -.382 | -.509 | -.469 | -.323 | .20 | -.316 | -.447 | -.595 | -.685 | -.588 |
| .30 | -.242 | -.404 | -.551 | -.409 | -.318 | .30 | -.270 | -.456 | -.625 | -.599 | -.524 |
| .40 | -.249 | -.364 | -.301 | -.260 | -.344 | .40 | -.279 | -.452 | -.412 | -.504 | -.449 |
| .50 | -.257 | -.351 | -.288 | -.345 | -.340 | .50 | -.303 | -.403 | -.401 | -.311 | -.377 |
| .60 | -.227 | -.253 | -.334 | -.411 | -.381 | .60 | -.271 | -.313 | -.363 | -.368 | -.318 |
| .67 | | | -.389 | | | .67 | | | -.397 | | |
| .70 | -.171 | -.303 | | -.438 | -.431 | .70 | -.208 | -.340 | | -.427 | -.358 |
| .80 | -.171 | | | -.569 | -.514 | .80 | -.202 | | | -.353 | -.479 |
| .84 | | | -.011 | | | .84 | | | .005 | | |
| .86 | | -.355 | | | | .86 | | -.321 | | | |
| .90 | | | | -.202 | -.335 | .90 | | | | -.260 | -.361 |
| .91 | -.188 | | | | | .91 | -.206 | | | | |
| .95 | -.128 | -.080 | -.095 | -.070 | -.082 | .95 | -.141 | -.071 | -.092 | -.097 | -.092 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.007 | -.063 | -.194 | -.356 | -.400 | .05 | .017 | .023 | -.088 | -.201 | -.227 |
| .10 | -.070 | -.032 | -.267 | -.420 | -.496 | .10 | -.045 | 0.000 | -.168 | -.291 | -.386 |
| .20 | -.143 | -.124 | -.284 | -.356 | -.429 | .20 | -.116 | -.073 | -.207 | -.276 | -.316 |
| .30 | -.171 | -.175 | -.265 | -.329 | -.335 | .30 | -.141 | -.129 | -.211 | -.269 | -.270 |
| .40 | -.160 | -.198 | -.236 | -.327 | -.258 | .40 | -.124 | -.142 | -.181 | -.269 | -.216 |
| .50 | -.104 | -.194 | -.178 | -.205 | -.182 | .50 | -.077 | -.146 | -.145 | -.181 | -.168 |
| .60 | -.083 | -.091 | -.109 | -.155 | -.072 | .60 | -.055 | -.062 | -.092 | -.140 | -.070 |
| .67 | | | .049 | | | .67 | | | .063 | | |
| .70 | -.015 | .095 | | .090 | .114 | .70 | .008 | .104 | | .102 | .119 |
| .80 | .135 | | | .251 | .260 | .80 | .156 | | | .262 | .276 |
| .84 | | | .312 | | | .84 | | | .316 | | |
| .86 | | .252 | | | | .86 | | .273 | | | |
| .90 | | | | .314 | .321 | .90 | | | | .324 | .343 |
| .91 | .225 | | | | | .91 | .230 | | | | |
| .95 | .264 | .231 | .333 | .296 | .316 | .95 | .258 | .239 | .336 | .314 | .329 |

RUN = 565 POINT = 7

TABLE 115 CONTINUED

RUN = 565 POINT = 8

| (E) ALPHA = 2.95 DEGREES | | | | | | (F) ALPHA = 3.46 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .130 | .448 | .719 | .740 | 0.00 | -.060 | .072 | .417 | .710 | .741 |
| .05 | -.327 | -.621 | -.894 | -.784 | -.690 | .05 | -.356 | -.748 | -.982 | -.850 | -.750 |
| .10 | -.368 | -.570 | -.867 | -.844 | -.720 | .10 | -.401 | -.647 | -.972 | -.895 | -.786 |
| .20 | -.340 | -.481 | -.723 | -.812 | -.726 | .20 | -.382 | -.540 | -.800 | -.855 | -.777 |
| .30 | -.312 | -.529 | -.679 | -.779 | -.694 | .30 | -.324 | -.555 | -.727 | -.848 | -.757 |
| .40 | -.301 | -.534 | -.544 | -.717 | -.694 | .40 | -.330 | -.574 | -.609 | -.822 | -.748 |
| .50 | -.338 | -.483 | -.491 | -.661 | -.690 | .50 | -.351 | -.529 | -.555 | -.764 | -.752 |
| .60 | -.319 | -.397 | -.435 | -.448 | -.696 | .60 | -.341 | -.450 | -.508 | -.709 | -.753 |
| .67 | | | -.447 | | | .67 | | | -.488 | | |
| .70 | -.262 | -.401 | | -.439 | -.259 | .70 | -.296 | -.429 | | -.461 | -.688 |
| .80 | -.254 | | | -.281 | -.362 | .80 | -.266 | | | -.280 | -.422 |
| .84 | | | .009 | | | .84 | | | .004 | | |
| .86 | | -.297 | | | | .86 | | -.307 | | | |
| .90 | | | | -.228 | -.292 | .90 | | | | -.216 | -.320 |
| .91 | -.243 | | | | | .91 | -.266 | | | | |
| .95 | -.174 | -.095 | -.114 | -.081 | -.111 | .95 | -.182 | -.121 | -.125 | -.079 | -.087 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .106 | .045 | -.090 | -.103 | .05 | .055 | .145 | .099 | -.037 | -.063 |
| .10 | -.009 | .043 | -.068 | -.185 | -.233 | .10 | .004 | .082 | -.013 | -.135 | -.175 |
| .20 | -.077 | -.043 | -.121 | -.201 | -.218 | .20 | -.062 | -.003 | -.093 | -.168 | -.189 |
| .30 | -.100 | -.076 | -.135 | -.206 | -.197 | .30 | -.079 | -.043 | -.119 | -.179 | -.175 |
| .40 | -.085 | -.106 | -.137 | -.208 | -.171 | .40 | -.068 | -.079 | -.113 | -.189 | -.149 |
| .50 | -.050 | -.101 | -.112 | -.150 | -.128 | .50 | -.028 | -.083 | -.103 | -.139 | -.109 |
| .60 | -.025 | -.040 | -.068 | -.116 | -.032 | .60 | -.006 | -.033 | -.066 | -.111 | -.023 |
| .67 | | | .068 | | | .67 | | | .079 | | |
| .70 | .035 | .113 | | .116 | .142 | .70 | .046 | .120 | | .122 | .153 |
| .80 | .173 | | | .274 | .300 | .80 | .179 | | | .284 | .314 |
| .84 | | | .320 | | | .84 | | | .316 | | |
| .86 | | .284 | | | | .86 | | .290 | | | |
| .90 | | | | .346 | .372 | .90 | | | | .352 | .381 |
| .91 | .241 | | | | | .91 | .252 | | | | |
| .95 | .256 | .235 | .326 | .330 | .361 | .95 | .257 | .227 | .316 | .336 | .378 |

RUN = 565 POINT = 9

TABLE 115 CONTINUED

RUN = 565 POINT = 10

| (G) ALPHA = 3.97 DEGREES | | | | | | (H) ALPHA = 5.01 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|--------|--------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .045 | .367 | .688 | .731 | 0.00 | -.119 | -.035 | .298 | .641 | .721 |
| .05 | -.381 | -.834 | -1.031 | -.891 | -.783 | .05 | -.462 | -1.045 | -1.159 | -.977 | -.871 |
| .10 | -.428 | -.730 | -1.048 | -.941 | -.821 | .10 | -.480 | -.976 | -1.178 | -1.021 | -.917 |
| .20 | -.402 | -.571 | -.899 | -.917 | -.826 | .20 | -.452 | -.634 | -1.106 | -1.004 | -.917 |
| .30 | -.334 | -.570 | -.736 | -.897 | -.804 | .30 | -.355 | -.628 | -.878 | -.986 | -.888 |
| .40 | -.348 | -.595 | -.653 | -.864 | -.798 | .40 | -.376 | -.657 | -.720 | -.957 | -.888 |
| .50 | -.359 | -.549 | -.604 | -.829 | -.797 | .50 | -.398 | -.607 | -.670 | -.961 | -.883 |
| .60 | -.359 | -.474 | -.568 | -.806 | -.805 | .60 | -.398 | -.567 | -.680 | -.928 | -.888 |
| .67 | | | -.519 | | | .67 | | | -.624 | | |
| .70 | -.318 | -.459 | | -.762 | -.776 | .70 | -.372 | -.537 | | -.902 | -.838 |
| .80 | -.293 | | | -.291 | -.673 | .80 | -.336 | | | -.570 | -.687 |
| .84 | | | .003 | | | .84 | | | .005 | | |
| .86 | | -.295 | | | | .86 | | -.311 | | | |
| .90 | | | | -.178 | -.337 | .90 | | | | -.202 | -.418 |
| .91 | -.301 | | | | | .91 | -.389 | | | | |
| .95 | -.215 | -.157 | -.155 | -.064 | -.068 | .95 | -.276 | -.189 | -.162 | -.069 | -.138 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .067 | .178 | .151 | .011 | -.012 | .05 | .089 | .237 | .246 | .110 | .079 |
| .10 | .020 | .125 | .020 | -.094 | -.125 | .10 | .052 | .167 | .099 | -.011 | -.038 |
| .20 | -.042 | .039 | -.066 | -.136 | -.158 | .20 | -0.000 | .077 | -.004 | -.071 | -.097 |
| .30 | -.061 | -.019 | -.099 | -.143 | -.148 | .30 | -.016 | .022 | -.056 | -.100 | -.114 |
| .40 | -.049 | -.060 | -.095 | -.170 | -.132 | .40 | -.013 | -.021 | -.069 | -.116 | -.110 |
| .50 | -.010 | -.070 | -.088 | -.132 | -.099 | .50 | .020 | -.036 | -.051 | -.105 | -.095 |
| .60 | .005 | -.017 | -.063 | -.108 | -.015 | .60 | .037 | .005 | -.038 | -.095 | -.031 |
| .67 | | | .078 | | | .67 | | | .086 | | |
| .70 | .052 | .123 | | .120 | .152 | .70 | .078 | .132 | | .115 | .134 |
| .80 | .186 | | | .288 | .314 | .80 | .203 | | | .280 | .290 |
| .84 | | | .309 | | | .84 | | | .308 | | |
| .86 | | .287 | | | | .86 | | .296 | | | |
| .90 | | | | .355 | .369 | .90 | | | | .342 | .347 |
| .91 | .253 | | | | | .91 | .263 | | | | |
| .95 | .255 | .220 | .313 | .331 | .364 | .95 | .259 | .220 | .303 | .332 | .333 |

RUN = 565 POINT = 11

TABLE 115 CONTINUED

RUN = 565 POINT = 12

| (I) ALPHA = 6.21 DEGREES | | | | | | (J) ALPHA = 8.21 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.172 | -.145 | .198 | .581 | .732 | 0.00 | -.295 | -.321 | .035 | .466 | .645 |
| .05 | -.531 | -1.188 | -1.262 | -1.071 | -1.004 | .05 | -.721 | -1.285 | -1.375 | -1.225 | -1.124 |
| .10 | -.576 | -1.134 | -1.283 | -1.107 | -1.043 | .10 | -.694 | -1.272 | -1.358 | -1.225 | -1.147 |
| .20 | -.502 | -.758 | -1.229 | -1.076 | -1.029 | .20 | -.552 | -1.118 | -1.326 | -1.211 | -1.119 |
| .30 | -.396 | -.711 | -1.174 | -1.073 | -1.011 | .30 | -.466 | -1.033 | -1.276 | -1.178 | -1.076 |
| .40 | -.401 | -.717 | -.887 | -1.043 | -.997 | .40 | -.465 | -.924 | -1.113 | -1.125 | -1.025 |
| .50 | -.429 | -.682 | -.736 | -1.042 | -.997 | .50 | -.496 | -.837 | -.991 | -1.001 | -1.025 |
| .60 | -.427 | -.652 | -.753 | -.989 | -.970 | .60 | -.508 | -.721 | -.923 | -.644 | -.871 |
| .67 | | | -.719 | | | .67 | | | -.843 | | |
| .70 | -.414 | -.621 | | -.914 | -.611 | .70 | -.506 | -.666 | | -.530 | -.460 |
| .80 | -.379 | | | -.513 | -.408 | .80 | -.472 | | | -.460 | -.401 |
| .84 | | | -.013 | | | .84 | | | -.025 | | |
| .86 | | -.395 | | | | .86 | | -.462 | | | |
| .90 | | | | -.327 | -.323 | .90 | | | | -.411 | -.372 |
| .91 | -.476 | | | | | .91 | -.597 | | | | |
| .95 | -.351 | -.231 | -.185 | -.238 | -.237 | .95 | -.491 | -.228 | -.377 | -.378 | -.338 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .109 | .296 | .334 | .212 | .184 | .05 | .121 | .377 | .458 | .348 | .299 |
| .10 | .089 | .214 | .181 | .074 | .040 | .10 | .126 | .286 | .299 | .195 | .148 |
| .20 | .040 | .116 | .063 | -.007 | -.044 | .20 | .108 | .177 | .166 | .077 | .028 |
| .30 | .022 | .070 | .007 | -.054 | -.074 | .30 | .091 | .147 | .092 | .017 | -.023 |
| .40 | .027 | .019 | -.023 | -.078 | -.092 | .40 | .089 | .098 | .054 | -.023 | -.073 |
| .50 | .061 | -.007 | -.023 | -.090 | -.108 | .50 | .117 | .067 | .025 | -.071 | -.098 |
| .60 | .066 | .026 | -.018 | -.095 | -.058 | .60 | .113 | .077 | .015 | -.100 | -.073 |
| .67 | | | .107 | | | .67 | | | .124 | | |
| .70 | .102 | .147 | | .106 | .094 | .70 | .136 | .177 | | .069 | .067 |
| .80 | .219 | | | .280 | .271 | .80 | .244 | | | .237 | .234 |
| .84 | | | .321 | | | .84 | | | .320 | | |
| .86 | | .296 | | | | .86 | | .320 | | | |
| .90 | | | | .340 | .328 | .90 | | | | .285 | .287 |
| .91 | .275 | | | | | .91 | .285 | | | | |
| .95 | .264 | .210 | .308 | .315 | .298 | .95 | .278 | .223 | .297 | .261 | .253 |

RUN = 565 POINT = 13

TABLE 115 CONTINUED

RUN = 565 POINT = 14

| (K) ALPHA = 10.00 DEGREES | | | | | | (L) ALPHA = 11.91 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.411 | -.483 | -.114 | .359 | .581 | 0.00 | -.537 | -.661 | -.289 | .243 | .523 |
| .05 | -.897 | -1.291 | -1.093 | -.786 | -1.041 | .05 | -1.096 | -1.297 | -1.110 | -.671 | -.612 |
| .10 | -.976 | -1.281 | -1.090 | -.746 | -.918 | .10 | -1.055 | -1.303 | -1.043 | -.666 | -.569 |
| .20 | -.597 | -1.237 | -1.042 | -.724 | -.941 | .20 | -.672 | -1.299 | -.964 | -.658 | -.565 |
| .30 | -.503 | -1.237 | -.961 | -.699 | -.828 | .30 | -.518 | -1.376 | -.882 | -.657 | -.569 |
| .40 | -.505 | -1.175 | -.863 | -.661 | -.734 | .40 | -.527 | -1.355 | -.840 | -.647 | -.557 |
| .50 | -.549 | -1.090 | -.783 | -.637 | -.799 | .50 | -.568 | -1.135 | -.813 | -.642 | -.550 |
| .60 | -.557 | -.832 | -.743 | -.596 | -.618 | .60 | -.589 | -.878 | -.783 | -.635 | -.529 |
| .67 | | | -.713 | | | .67 | | | -.773 | | |
| .70 | -.540 | -.742 | | -.561 | -.495 | .70 | -.520 | -.821 | | -.637 | -.497 |
| .80 | -.353 | | | -.520 | -.478 | .80 | -.235 | | | -.617 | -.488 |
| .84 | | | -.034 | | | .84 | | | -.050 | | |
| .86 | | -.549 | | | | .86 | | -.706 | | | |
| .90 | | | | -.491 | -.452 | .90 | | | | -.604 | -.483 |
| .91 | -.508 | | | | | .91 | -.484 | | | | |
| .95 | -.366 | -.494 | -.607 | -.460 | -.402 | .95 | -.425 | -.672 | -.689 | -.578 | -.462 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .126 | .410 | .520 | .441 | .368 | .05 | .119 | .445 | .590 | .517 | .443 |
| .10 | .154 | .339 | .374 | .268 | .214 | .10 | .186 | .380 | .446 | .356 | .277 |
| .20 | .161 | .225 | .232 | .141 | .080 | .20 | .204 | .273 | .307 | .209 | .143 |
| .30 | .143 | .203 | .154 | .053 | .005 | .30 | .203 | .260 | .210 | .114 | .057 |
| .40 | .139 | .140 | .096 | .004 | -.049 | .40 | .195 | .195 | .152 | .045 | -.016 |
| .50 | .147 | .099 | .049 | -.071 | -.085 | .50 | .203 | .147 | .100 | -.037 | -.067 |
| .60 | .150 | .104 | .024 | -.129 | -.076 | .60 | .191 | .140 | .058 | -.108 | -.074 |
| .67 | | | .103 | | | .67 | | | .127 | | |
| .70 | .171 | .182 | | .042 | .056 | .70 | .201 | .204 | | .038 | .043 |
| .80 | .256 | | | .206 | .228 | .80 | .284 | | | .210 | .213 |
| .84 | | | .293 | | | .84 | | | .301 | | |
| .86 | | .314 | | | | .86 | | .319 | | | |
| .90 | | | | .267 | .288 | .90 | | | | .263 | .265 |
| .91 | .304 | | | | | .91 | .314 | | | | |
| .95 | .282 | .201 | .242 | .235 | .243 | .95 | .290 | .191 | .250 | .230 | .225 |

RUN = 565 POINT = . 15

TABLE 115 CONCLUDED

| | (M) ALPHA = .31 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .008 | .264 | .577 | .755 | .690 |
| .05 | -.167 | -.278 | -.328 | -.391 | -.225 |
| .10 | -.215 | -.269 | -.437 | -.354 | -.237 |
| .20 | -.239 | -.302 | -.398 | -.309 | -.249 |
| .30 | -.211 | -.351 | -.315 | -.335 | -.261 |
| .40 | -.208 | -.317 | -.234 | -.297 | -.291 |
| .50 | -.220 | -.266 | -.270 | -.324 | -.294 |
| .60 | -.176 | -.215 | -.320 | -.358 | -.326 |
| .67 | | | -.369 | | |
| .70 | -.133 | -.281 | | -.419 | -.340 |
| .80 | -.148 | | | -.416 | -.423 |
| .84 | | | -.003 | | |
| .86 | | -.354 | | | |
| .90 | | | | -.235 | -.329 |
| .91 | -.178 | | | | |
| .95 | -.126 | -.076 | -.085 | -.089 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.039 | -.162 | -.349 | -.510 | -.641 |
| .10 | -.109 | .141 | -.374 | -.600 | -.734 |
| .20 | -.180 | .122 | -.382 | -.472 | -.631 |
| .30 | -.215 | -.243 | -.374 | -.414 | -.456 |
| .40 | -.193 | -.243 | -.289 | -.371 | -.284 |
| .50 | -.135 | -.241 | -.206 | -.237 | -.209 |
| .60 | -.113 | -.119 | -.129 | -.169 | -.082 |
| .67 | | | .038 | | |
| .70 | -.039 | .070 | | .088 | .117 |
| .80 | .114 | | | .227 | .232 |
| .84 | | | .306 | | |
| .86 | | .237 | | | |
| .90 | | | | .298 | .286 |
| .91 | .206 | | | | |
| .95 | .251 | .230 | .330 | .312 | .281 |

RUN = 564 POINT = 3

TABLE 116

WING PRESSURE COEFFICIENTS

RUN = 564 POINT = 4

| (A) ALPHA = -.79 DEGREES | | | | | | (B) ALPHA = .23 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .301 | .627 | .754 | .638 | 0.00 | .010 | .280 | .592 | .769 | .697 |
| .05 | -.118 | -.156 | -.127 | -.199 | -.071 | .05 | -.155 | -.260 | -.269 | -.406 | -.206 |
| .10 | -.165 | -.159 | -.258 | -.203 | -.103 | .10 | -.209 | -.254 | -.413 | -.386 | -.226 |
| .20 | -.203 | -.199 | -.262 | -.217 | -.158 | .20 | -.245 | -.286 | -.389 | -.295 | -.249 |
| .30 | -.169 | -.233 | -.275 | -.234 | -.183 | .30 | -.204 | -.322 | -.415 | -.317 | -.262 |
| .40 | -.167 | -.223 | -.173 | -.230 | -.238 | .40 | -.211 | -.301 | -.229 | -.269 | -.288 |
| .50 | -.171 | -.204 | -.221 | -.280 | -.237 | .50 | -.215 | -.280 | -.240 | -.282 | -.287 |
| .60 | -.133 | -.165 | -.268 | -.311 | -.304 | .60 | -.179 | -.204 | -.288 | -.368 | -.337 |
| .67 | | | -.327 | | | .67 | | | -.343 | | |
| .70 | -.092 | -.246 | | -.377 | -.341 | .70 | -.133 | -.261 | | -.402 | -.390 |
| .80 | -.110 | | | -.506 | -.466 | .80 | -.135 | | | -.529 | -.502 |
| .84 | | | -.011 | | | .84 | | | -.008 | | |
| .86 | | -.443 | | | | .86 | | -.457 | | | |
| .90 | | | | -.199 | -.285 | .90 | | | | -.211 | -.294 |
| .91 | -.180 | | | | | .91 | -.185 | | | | |
| .95 | -.127 | -.079 | -.094 | -.063 | -.066 | .95 | -.131 | -.082 | -.120 | -.038 | -.054 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.078 | -.295 | -.576 | -.653 | -.718 | .05 | -.038 | -.166 | -.342 | -.500 | -.604 |
| .10 | -.141 | .332 | -.511 | -.765 | -.856 | .10 | -.101 | .120 | -.368 | -.595 | -.734 |
| .20 | -.203 | -.164 | -.495 | -.695 | -.852 | .20 | -.153 | -.137 | -.377 | -.548 | -.713 |
| .30 | -.291 | -.318 | -.465 | -.643 | -.826 | .30 | -.232 | -.233 | -.386 | -.462 | -.646 |
| .40 | -.239 | -.335 | -.484 | -.669 | -.758 | .40 | -.198 | -.263 | -.369 | -.437 | -.394 |
| .50 | -.186 | -.375 | -.298 | -.241 | -.271 | .50 | -.140 | -.294 | -.222 | -.238 | -.197 |
| .60 | -.159 | -.177 | -.140 | -.160 | -.026 | .60 | -.123 | -.137 | -.129 | -.169 | -.059 |
| .67 | | | .027 | | | .67 | | | .042 | | |
| .70 | -.095 | .051 | | .091 | .122 | .70 | -.047 | .077 | | .087 | .123 |
| .80 | .075 | | | .232 | .249 | .80 | .107 | | | .238 | .249 |
| .84 | | | .284 | | | .84 | | | .303 | | |
| .86 | | .207 | | | | .86 | | .234 | | | |
| .90 | | | | .305 | .291 | .90 | | | | .314 | .311 |
| .91 | .190 | | | | | .91 | .209 | | | | |
| .95 | .547 | .205 | .322 | .306 | .292 | .95 | .437 | .225 | .329 | .311 | .306 |

RUN = 564 POINT = 5

TABLE 116 CONTINUED

RUN = 564 POINT = 6

| (C) ALPHA = 1.20 DEGREES | | | | | | (D) ALPHA = 1.99 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .236 | .554 | .761 | .725 | 0.00 | -.031 | .181 | .512 | .743 | .734 |
| .05 | -.209 | -.353 | -.451 | -.550 | -.437 | .05 | -.282 | -.478 | -.681 | -.654 | -.565 |
| .10 | -.267 | -.366 | -.552 | -.599 | -.440 | .10 | -.328 | -.457 | -.677 | -.723 | -.590 |
| .20 | -.280 | -.371 | -.500 | -.499 | -.385 | .20 | -.334 | -.429 | -.610 | -.667 | -.586 |
| .30 | -.241 | -.414 | -.519 | -.472 | -.296 | .30 | -.289 | -.474 | -.624 | -.645 | -.555 |
| .40 | -.243 | -.386 | -.338 | -.379 | -.292 | .40 | -.284 | -.489 | -.468 | -.553 | -.555 |
| .50 | -.265 | -.349 | -.343 | -.288 | -.278 | .50 | -.315 | -.437 | -.447 | -.526 | -.534 |
| .60 | -.226 | -.271 | -.321 | -.348 | -.342 | .60 | -.291 | -.349 | -.393 | -.378 | -.515 |
| .67 | | | -.368 | | | .67 | | | -.420 | | |
| .70 | -.178 | -.296 | | -.408 | -.435 | .70 | -.231 | -.362 | | -.429 | -.398 |
| .80 | -.170 | | | -.534 | -.532 | .80 | -.216 | | | -.573 | -.476 |
| .84 | | | -.013 | | | .84 | | | -.016 | | |
| .86 | | -.439 | | | | .86 | | -.460 | | | |
| .90 | | | | -.207 | -.311 | .90 | | | | -.190 | -.341 |
| .91 | -.202 | | | | | .91 | -.257 | | | | |
| .95 | -.144 | -.087 | -.120 | -.061 | -.061 | .95 | -.173 | -.126 | -.155 | -.055 | -.085 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.009 | -.058 | -.197 | -.354 | -.440 | .05 | .003 | 0.000 | -.099 | -.236 | -.286 |
| .10 | -.070 | .048 | -.270 | -.447 | -.557 | .10 | -.054 | .025 | -.170 | -.340 | -.436 |
| .20 | -.152 | -.093 | -.290 | -.388 | -.501 | .20 | -.106 | -.074 | -.230 | -.318 | -.386 |
| .30 | -.170 | -.171 | -.303 | -.354 | -.401 | .30 | -.157 | -.149 | -.234 | -.310 | -.306 |
| .40 | -.159 | -.202 | -.256 | -.397 | -.306 | .40 | -.140 | -.170 | -.217 | -.349 | -.253 |
| .50 | -.107 | -.231 | -.190 | -.217 | -.222 | .50 | -.091 | -.180 | -.175 | -.214 | -.189 |
| .60 | -.095 | -.102 | -.119 | -.161 | -.080 | .60 | -.067 | -.091 | -.117 | -.158 | -.072 |
| .67 | | | .047 | | | .67 | | | .041 | | |
| .70 | -.023 | .084 | | .091 | .110 | .70 | -.011 | .084 | | .091 | .122 |
| .80 | .130 | | | .247 | .251 | .80 | .138 | | | .251 | .270 |
| .84 | | | .313 | | | .84 | | | .299 | | |
| .86 | | .248 | | | | .86 | | .253 | | | |
| .90 | | | | .309 | .321 | .90 | | | | .315 | .343 |
| .91 | .217 | | | | | .91 | .222 | | | | |
| .95 | .370 | .246 | .331 | .311 | .312 | .95 | .319 | .222 | .314 | .303 | .334 |

RUN = 564 POINT = 7

TABLE 116 CONTINUED

RUN = 564 POINT = 8

| (E) ALPHA = 2.92 DEGREES | | | | | | (F) ALPHA = 3.44 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.050 | .121 | .454 | .737 | .733 | 0.00 | -.061 | .094 | .428 | .719 | .738 |
| .05 | -.329 | -.650 | -.887 | -.734 | -.648 | .05 | -.348 | -.696 | -.915 | -.769 | -.675 |
| .10 | -.378 | -.574 | -.862 | -.811 | -.690 | .10 | -.391 | -.626 | -.946 | -.842 | -.709 |
| .20 | -.382 | -.495 | -.707 | -.778 | -.683 | .20 | -.391 | -.509 | -.782 | -.807 | -.714 |
| .30 | -.294 | -.517 | -.682 | -.756 | -.676 | .30 | -.298 | -.524 | -.691 | -.793 | -.706 |
| .40 | -.320 | -.540 | -.576 | -.723 | -.674 | .40 | -.320 | -.554 | -.611 | -.778 | -.708 |
| .50 | -.329 | -.501 | -.517 | -.670 | -.672 | .50 | -.335 | -.514 | -.558 | -.760 | -.711 |
| .60 | -.322 | -.419 | -.482 | -.630 | -.678 | .60 | -.330 | -.448 | -.528 | -.717 | -.708 |
| .67 | | | -.484 | | | .67 | | | -.492 | | |
| .70 | -.279 | -.417 | | -.539 | -.726 | .70 | -.289 | -.423 | | -.588 | -.738 |
| .80 | -.257 | | | -.579 | -.691 | .80 | -.259 | | | -.587 | -.692 |
| .84 | | | -.012 | | | .84 | | | -.007 | | |
| .86 | | -.459 | | | | .86 | | -.450 | | | |
| .90 | | | | -.168 | -.369 | .90 | | | | -.156 | -.440 |
| .91 | -.303 | | | | | .91 | -.324 | | | | |
| .95 | -.216 | -.164 | -.181 | -.042 | -.086 | .95 | -.230 | -.165 | -.182 | -.036 | -.190 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .033 | .088 | .027 | -.113 | -.143 | .05 | .051 | .126 | .087 | -.051 | -.093 |
| .10 | -.020 | .056 | -.092 | -.217 | -.311 | .10 | .001 | .089 | -.031 | -.152 | -.210 |
| .20 | -.070 | -.039 | -.151 | -.237 | -.290 | .20 | -.042 | .005 | -.111 | -.190 | -.234 |
| .30 | -.107 | -.083 | -.162 | -.239 | -.262 | .30 | -.080 | -.055 | -.136 | -.206 | -.222 |
| .40 | -.094 | -.120 | -.157 | -.257 | -.224 | .40 | -.072 | -.091 | -.130 | -.232 | -.181 |
| .50 | -.055 | -.129 | -.142 | -.197 | -.154 | .50 | -.028 | -.110 | -.114 | -.172 | -.137 |
| .60 | -.033 | -.068 | -.100 | -.149 | -.052 | .60 | -.013 | -.045 | -.083 | -.123 | -.047 |
| .67 | | | .050 | | | .67 | | | .060 | | |
| .70 | .018 | .092 | | .095 | .131 | .70 | .036 | .109 | | .104 | .138 |
| .80 | .158 | | | .262 | .296 | .80 | .169 | | | .265 | .291 |
| .84 | | | .305 | | | .84 | | | .306 | | |
| .86 | | .270 | | | | .86 | | .276 | | | |
| .90 | | | | .320 | .360 | .90 | | | | .332 | .347 |
| .91 | .233 | | | | | .91 | .244 | | | | |
| .95 | .300 | .224 | .311 | .308 | .348 | .95 | .286 | .227 | .311 | .311 | .332 |

RUN = 564 POINT = 9

TABLE 116 CONTINUED

RUN = 564 POINT = 10

| (G) ALPHA = 3.94 DEGREES | | | | | | (H) ALPHA = 4.97 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.085 | .063 | .393 | .701 | .733 | 0.00 | -.117 | -.009 | .329 | .673 | .737 |
| .05 | -.393 | -.793 | -.980 | -.830 | -.731 | .05 | -.445 | -1.005 | -1.074 | -.916 | -.789 |
| .10 | -.455 | -.693 | -1.012 | -.879 | -.775 | .10 | -.497 | -.924 | -1.120 | -.950 | -.845 |
| .20 | -.418 | -.564 | -.874 | -.868 | -.775 | .20 | -.439 | -.603 | -1.044 | -.936 | -.845 |
| .30 | -.319 | -.566 | -.718 | -.857 | -.751 | .30 | -.354 | -.607 | -.905 | -.939 | -.837 |
| .40 | -.343 | -.598 | -.657 | -.828 | -.755 | .40 | -.356 | -.626 | -.689 | -.903 | -.833 |
| .50 | -.360 | -.547 | -.596 | -.837 | -.760 | .50 | -.380 | -.582 | -.653 | -.908 | -.828 |
| .60 | -.354 | -.495 | -.602 | -.808 | -.772 | .60 | -.376 | -.561 | -.664 | -.921 | -.833 |
| .67 | | | -.539 | | | .67 | | | -.630 | | |
| .70 | -.330 | -.472 | | -.772 | -.756 | .70 | -.358 | -.522 | | -.865 | -.782 |
| .80 | -.289 | | | -.666 | -.671 | .80 | -.317 | | | -.836 | -.640 |
| .84 | | | -.009 | | | .84 | | | -.011 | | |
| .86 | | -.455 | | | | .86 | | -.459 | | | |
| .90 | | | | -.162 | -.451 | .90 | | | | -.372 | -.474 |
| .91 | -.351 | | | | | .91 | -.412 | | | | |
| .95 | -.265 | -.204 | -.210 | -.042 | -.249 | .95 | -.323 | -.233 | -.227 | -.189 | -.254 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .057 | .163 | .129 | -.018 | -.035 | .05 | .088 | .229 | .223 | .099 | .050 |
| .10 | .011 | .116 | -.002 | -.125 | -.169 | .10 | .053 | .170 | .089 | -.031 | -.081 |
| .20 | -.053 | .034 | -.082 | -.167 | -.198 | .20 | .018 | .081 | -.011 | -.096 | -.134 |
| .30 | -.053 | -.041 | -.122 | -.187 | -.205 | .30 | -.018 | .018 | -.060 | -.127 | -.146 |
| .40 | -.065 | -.075 | -.114 | -.231 | -.181 | .40 | -.020 | -.026 | -.071 | -.163 | -.156 |
| .50 | -.018 | -.098 | -.103 | -.169 | -.141 | .50 | .014 | -.049 | -.069 | -.138 | -.132 |
| .60 | -.009 | -.039 | -.082 | -.138 | -.054 | .60 | .029 | -.007 | -.053 | -.129 | -.067 |
| .67 | | | .057 | | | .67 | | | .077 | | |
| .70 | .042 | .102 | | .095 | .118 | .70 | .075 | .128 | | .099 | .096 |
| .80 | .170 | | | .261 | .273 | .80 | .196 | | | .271 | .268 |
| .84 | | | .296 | | | .84 | | | .302 | | |
| .86 | | .264 | | | | .86 | | .288 | | | |
| .90 | | | | .324 | .326 | .90 | | | | .326 | .317 |
| .91 | .241 | | | | | .91 | .259 | | | | |
| .95 | .271 | .211 | .296 | .323 | .304 | .95 | .274 | .217 | .295 | .326 | .292 |

RUN = 564 POINT = 11

TABLE 116 CONTINUED

RUN = 564 POINT = 12

| (I) ALPHA = 6.15 DEGREES | | | | | | (J) ALPHA = 8.20 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.111 | .244 | .609 | .711 | 0.00 | -.278 | -.283 | .086 | .506 | .668 |
| .05 | -.543 | -1.145 | -1.190 | -1.004 | -.911 | .05 | -.709 | -1.249 | -1.298 | -1.142 | -1.033 |
| .10 | -.557 | -1.090 | -1.219 | -1.040 | -.948 | .10 | -.704 | -1.214 | -1.311 | -1.144 | -1.060 |
| .20 | -.485 | -.715 | -1.183 | -1.029 | -.938 | .20 | -.538 | -1.063 | -1.253 | -1.119 | -1.048 |
| .30 | -.396 | -.674 | -1.106 | -1.017 | -.921 | .30 | -.444 | -.957 | -1.224 | -1.110 | -1.023 |
| .40 | -.391 | -.672 | -.988 | -.989 | -.923 | .40 | -.442 | -.867 | -1.087 | -1.087 | -.992 |
| .50 | -.428 | -.645 | -.718 | -.997 | -.921 | .50 | -.475 | -.791 | -.938 | -1.072 | -.992 |
| .60 | -.420 | -.622 | -.719 | -.969 | -.904 | .60 | -.486 | -.692 | -.893 | -1.013 | -.965 |
| .67 | | | -.700 | | | .67 | | | -.850 | | |
| .70 | -.407 | -.599 | | -.948 | -.711 | .70 | -.481 | -.652 | | -.746 | -.563 |
| .80 | -.374 | | | -.699 | -.485 | .80 | -.448 | | | -.551 | -.468 |
| .84 | | | -.022 | | | .84 | | | -.024 | | |
| .86 | | -.529 | | | | .86 | | -.680 | | | |
| .90 | | | | -.464 | -.387 | .90 | | | | -.463 | -.437 |
| .91 | -.485 | | | | | .91 | -.564 | | | | |
| .95 | -.415 | -.270 | -.250 | -.368 | -.305 | .95 | -.505 | -.291 | -.413 | -.429 | -.383 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .096 | .297 | .313 | .194 | .143 | .05 | .123 | .381 | .451 | .333 | .278 |
| .10 | .077 | .215 | .160 | .046 | .006 | .10 | .130 | .289 | .285 | .181 | .133 |
| .20 | .044 | .122 | .046 | -.033 | -.080 | .20 | .099 | .182 | .162 | .076 | .018 |
| .30 | .013 | .065 | -.014 | -.080 | -.114 | .30 | .101 | .146 | .085 | .008 | -.031 |
| .40 | .020 | .015 | -.042 | -.114 | -.133 | .40 | .093 | .105 | .051 | -.034 | -.084 |
| .50 | .048 | -.010 | -.038 | -.123 | -.141 | .50 | .116 | .062 | .015 | -.083 | -.113 |
| .60 | .055 | .010 | -.040 | -.133 | -.093 | .60 | .114 | .064 | .010 | -.113 | -.086 |
| .67 | | | .082 | | | .67 | | | .112 | | |
| .70 | .089 | .133 | | .078 | .066 | .70 | .140 | .163 | | .072 | .060 |
| .80 | .207 | | | .249 | .240 | .80 | .243 | | | .236 | .229 |
| .84 | | | .299 | | | .84 | | | .313 | | |
| .86 | | .293 | | | | .86 | | .314 | | | |
| .90 | | | | .295 | .293 | .90 | | | | .287 | .278 |
| .91 | .263 | | | | | .91 | .287 | | | | |
| .95 | .265 | .215 | .288 | .279 | .262 | .95 | .276 | .212 | .290 | .256 | .244 |

RUN = 564 POINT = 13

TABLE 116 CONCLUDED

RUN = 564 POINT = 14

| (K) ALPHA = 11.96 DEGREES | | | | | | (L) ALPHA = .26 DEGREES | | | | | |
|---------------------------|--------|--------|--------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.508 | -.625 | -.255 | .260 | .565 | 0.00 | .009 | .271 | .606 | .762 | .691 |
| .05 | -1.095 | -1.227 | -1.239 | -.673 | -.674 | .05 | -.157 | -.245 | -.305 | -.383 | -.203 |
| .10 | -1.075 | -1.238 | -1.217 | -.680 | -.644 | .10 | -.212 | -.252 | -.422 | -.365 | -.245 |
| .20 | -.709 | -1.229 | -1.096 | -.655 | -.632 | .20 | -.245 | -.296 | -.403 | -.269 | -.243 |
| .30 | -.473 | -1.290 | -1.019 | -.653 | -.623 | .30 | -.202 | -.318 | -.396 | -.313 | -.252 |
| .40 | -.491 | -1.312 | -.929 | -.646 | -.598 | .40 | -.202 | -.305 | -.228 | -.272 | -.291 |
| .50 | -.531 | -1.325 | -.845 | -.639 | -.591 | .50 | -.213 | -.281 | -.234 | -.310 | -.291 |
| .60 | -.555 | -1.260 | -.813 | -.639 | -.579 | .60 | -.182 | -.213 | -.294 | -.363 | -.329 |
| .67 | | | -.785 | | | .67 | | | -.337 | | |
| .70 | -.564 | -.901 | | -.632 | -.534 | .70 | -.129 | -.254 | | -.404 | -.382 |
| .80 | -.524 | | | -.618 | -.525 | .80 | -.131 | | | -.529 | -.495 |
| .84 | | | -.046 | | | .84 | | | -.006 | | |
| .86 | | -.693 | | | | .86 | | -.456 | | | |
| .90 | | | | -.602 | -.518 | .90 | | | | -.226 | -.351 |
| .91 | -.297 | | | | | .91 | -.191 | | | | |
| .95 | -.245 | -.683 | -.729 | -.580 | -.500 | .95 | -.140 | -.083 | -.125 | -.037 | -.069 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .133 | .446 | .602 | .520 | .480 | .05 | -.043 | -.168 | -.342 | -.504 | -.602 |
| .10 | .194 | .347 | .452 | .365 | .305 | .10 | -.105 | .125 | -.362 | -.589 | -.718 |
| .20 | .200 | .224 | .319 | .221 | .158 | .20 | -.177 | -.096 | -.381 | -.540 | -.695 |
| .30 | .209 | .274 | .225 | .127 | .073 | .30 | -.224 | -.234 | -.379 | -.475 | -.619 |
| .40 | .207 | .213 | .168 | .058 | -.006 | .40 | -.191 | -.258 | -.337 | -.445 | -.434 |
| .50 | .209 | .162 | .113 | -.025 | -.062 | .50 | -.140 | -.302 | -.219 | -.237 | -.182 |
| .60 | .207 | .147 | .077 | -.096 | -.062 | .60 | -.118 | -.142 | -.130 | -.165 | -.064 |
| .67 | | | .145 | | | .67 | | | .042 | | |
| .70 | .209 | .224 | | .061 | .057 | .70 | -.047 | .076 | | .089 | .126 |
| .80 | .299 | | | .231 | .238 | .80 | .108 | | | .237 | .258 |
| .84 | | | .317 | | | .84 | | | .302 | | |
| .86 | | .332 | | | | .86 | | .235 | | | |
| .90 | | | | .287 | .282 | .90 | | | | .310 | .308 |
| .91 | .333 | | | | | .91 | .203 | | | | |
| .95 | .315 | .220 | .269 | .255 | .238 | .95 | .247 | .226 | .325 | .313 | .306 |

RUN = 572 POINT = 1

TABLE 117

WING PRESSURE COEFFICIENTS

RUN = 572 POINT = 2

| (A) ALPHA = -.76 DEGREES | | | | | | (B) ALPHA = .21 DEGREES | | | | | | | | | | | | | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ETA | | ETA | | ETA | | ETA | | ETA | | ETA | | | | | | | | | | | | | |
| .1902 | | .2929 | | .3809 | | .5556 | | .7111 | | .1902 | | .2929 | | .3809 | | .5556 | | .7111 | | | | | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | | |
| 0.00 | .033 | .308 | .599 | .692 | .504 | 0.00 | .028 | .281 | .574 | .733 | .606 | 0.00 | .036 | -.169 | -.413 | -.634 | -.760 | 0.00 | .036 | -.169 | -.413 | -.634 | -.760 |
| .05 | -.114 | -.148 | -.131 | -.108 | .021 | .05 | -.153 | -.265 | -.317 | -.260 | -.121 | .05 | -.112 | -.189 | -.407 | -.582 | -.700 | .05 | -.112 | -.189 | -.407 | -.582 | -.700 |
| .10 | -.163 | -.167 | -.249 | -.122 | -.035 | .10 | -.208 | -.249 | -.357 | -.236 | -.136 | .10 | -.208 | -.117 | -.367 | -.453 | -.392 | .10 | -.208 | -.117 | -.367 | -.453 | -.392 |
| .20 | -.193 | -.187 | -.175 | -.129 | -.076 | .20 | -.226 | -.259 | -.255 | -.211 | -.155 | .20 | -.169 | -.117 | -.367 | -.453 | -.392 | .20 | -.169 | -.117 | -.367 | -.453 | -.392 |
| .30 | -.152 | -.204 | -.183 | -.141 | -.110 | .30 | -.192 | -.266 | -.239 | -.193 | -.180 | .30 | -.232 | -.303 | -.342 | -.365 | -.300 | .30 | -.190 | -.241 | -.342 | -.365 | -.300 |
| .40 | -.146 | -.170 | -.131 | -.143 | -.140 | .40 | -.185 | -.210 | -.173 | -.187 | -.197 | .40 | -.220 | -.314 | -.304 | -.324 | -.289 | .40 | -.177 | -.251 | -.304 | -.324 | -.289 |
| .50 | -.138 | -.152 | -.098 | -.157 | -.136 | .50 | -.171 | -.189 | -.134 | -.201 | -.195 | .50 | -.177 | -.297 | -.298 | -.254 | -.221 | .50 | -.141 | -.253 | -.298 | -.254 | -.221 |
| .60 | -.089 | -.096 | -.112 | -.179 | -.184 | .60 | -.122 | -.119 | -.136 | -.223 | -.225 | .60 | -.152 | -.233 | -.290 | -.187 | -.091 | .60 | -.116 | -.204 | -.290 | -.187 | -.091 |
| .67 | | | -.067 | | | .67 | | | -.086 | | | .67 | | | -.171 | | | .67 | | | | | |
| .70 | -.046 | -.073 | | -.215 | -.233 | .70 | -.067 | -.096 | | -.246 | -.261 | .70 | -.087 | -.117 | .047 | .070 | .089 | .70 | -.065 | -.098 | .055 | .089 | .089 |
| .80 | -.023 | | | -.257 | -.280 | .80 | -.036 | | | -.282 | -.311 | .80 | .019 | | .162 | .175 | .203 | .80 | .042 | | .213 | .203 | .203 |
| .84 | | | .038 | | | .84 | | | .039 | | | .84 | | | .154 | | | .84 | | | .195 | | |
| .86 | | -.027 | | | | .86 | | -.036 | | | | .86 | | .094 | | | | .86 | | .113 | | | |
| .90 | | | | -.209 | -.268 | .90 | | | | -.234 | -.279 | .90 | | | .217 | .223 | .243 | .90 | | | .286 | .243 | .243 |
| .91 | -.009 | | | | | .91 | -.016 | | | | | .91 | .099 | | | | | .91 | .116 | | | | |
| .95 | .002 | -.092 | -.125 | -.098 | -.123 | .95 | .007 | -.090 | -.127 | -.119 | -.125 | .95 | -.019 | .142 | .219 | .234 | .252 | .95 | .028 | .157 | .268 | .294 | .252 |

RUN = 572 POINT = 5

TABLE 117 CONTINUED

RUN = 572 POINT = 6

| (C) ALPHA = 1.07 DEGREES | | | | | | (D) ALPHA = 1.92 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .225 | .533 | .739 | .676 | 0.00 | -.010 | .175 | .460 | .724 | .723 |
| .05 | -.198 | -.390 | -.480 | -.449 | -.271 | .05 | -.243 | -.510 | -.629 | -.660 | -.430 |
| .10 | -.259 | -.355 | -.478 | -.360 | -.252 | .10 | -.300 | -.451 | -.641 | -.476 | -.358 |
| .20 | -.267 | -.326 | -.338 | -.291 | -.239 | .20 | -.300 | -.397 | -.401 | -.336 | -.309 |
| .30 | -.231 | -.320 | -.293 | -.255 | -.230 | .30 | -.253 | -.389 | -.339 | -.294 | -.276 |
| .40 | -.229 | -.266 | -.213 | -.238 | -.241 | .40 | -.249 | -.300 | -.245 | -.282 | -.277 |
| .50 | -.206 | -.235 | -.171 | -.240 | -.241 | .50 | -.237 | -.265 | -.212 | -.280 | -.277 |
| .60 | -.155 | -.151 | -.174 | -.248 | -.265 | .60 | -.182 | -.167 | -.185 | -.275 | -.291 |
| .67 | | | -.114 | | | .67 | | | -.130 | | |
| .70 | -.092 | -.120 | | -.277 | -.293 | .70 | -.114 | -.128 | | -.292 | -.313 |
| .80 | -.053 | | | -.307 | -.338 | .80 | -.065 | | | -.316 | -.348 |
| .84 | | | .035 | | | .84 | | | .035 | | |
| .86 | | -.052 | | | | .86 | | -.058 | | | |
| .90 | | | | -.253 | -.312 | .90 | | | | -.243 | -.317 |
| .91 | -.027 | | | | | .91 | -.031 | | | | |
| .95 | -0.000 | -.097 | -.132 | -.129 | -.146 | .95 | .001 | -.083 | -.134 | -.115 | -.155 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.007 | -.087 | -.281 | -.419 | -.487 | .05 | .019 | .007 | -.099 | -.261 | -.263 |
| .10 | -.072 | -.108 | -.291 | -.441 | -.511 | .10 | -.043 | -.058 | -.192 | -.302 | -.361 |
| .20 | -.139 | -.130 | -.297 | -.374 | -.371 | .20 | -.103 | -.107 | -.221 | -.292 | -.283 |
| .30 | -.159 | -.190 | -.289 | -.336 | -.256 | .30 | -.132 | -.146 | -.221 | -.269 | -.227 |
| .40 | -.151 | -.215 | -.281 | -.287 | -.247 | .40 | -.126 | -.165 | -.233 | -.243 | -.205 |
| .50 | -.121 | -.217 | -.279 | -.228 | -.191 | .50 | -.087 | -.185 | -.237 | -.204 | -.156 |
| .60 | -.094 | -.182 | -.273 | -.174 | -.081 | .60 | -.071 | -.159 | -.237 | -.155 | -.065 |
| .67 | | | -.147 | | | .67 | | | -.133 | | |
| .70 | -.055 | -.081 | | .065 | .099 | .70 | -.033 | -.070 | | .079 | .107 |
| .80 | .052 | | | .240 | .229 | .80 | .066 | | | .256 | .265 |
| .84 | | | .208 | | | .84 | | | .215 | | |
| .86 | | .120 | | | | .86 | | .130 | | | |
| .90 | | | | .311 | .294 | .90 | | | | .325 | .334 |
| .91 | .121 | | | | | .91 | .134 | | | | |
| .95 | .088 | .161 | .275 | .300 | .290 | .95 | .110 | .167 | .286 | .304 | .319 |

| (E) ALPHA = 2.79 DEGREES | | | | | | (F) ALPHA = 3.28 DEGREES | | | | | |
|--------------------------|--------|-------|-------|-------|-------|--------------------------|-------|-------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.036 | .088 | .369 | .688 | .735 | 0.00 | -.054 | .045 | .321 | .655 | .735 |
| .05 | -.304 | -.650 | -.917 | -.937 | -.674 | .05 | -.335 | -.726 | -1.099 | -1.048 | -.810 |
| .10 | -.352 | -.550 | -.793 | -.750 | -.533 | .10 | -.377 | -.641 | -.984 | -.943 | -.641 |
| .20 | -.344 | -.476 | -.476 | -.387 | -.378 | .20 | -.359 | -.522 | -.556 | -.385 | -.386 |
| .30 | -.295 | -.446 | -.386 | -.351 | -.318 | .30 | -.310 | -.487 | -.397 | -.366 | -.345 |
| .40 | -.287 | -.348 | -.280 | -.314 | -.314 | .40 | -.310 | -.371 | -.295 | -.328 | -.346 |
| .50 | -.273 | -.301 | -.229 | -.304 | -.314 | .50 | -.284 | -.316 | -.236 | -.318 | -.356 |
| .60 | -.212 | -.193 | -.209 | -.304 | -.316 | .60 | -.220 | -.202 | -.218 | -.315 | -.330 |
| .67 | | | -.144 | | | .67 | | | -.147 | | |
| .70 | -.136 | -.146 | | -.310 | -.333 | .70 | -.145 | -.149 | | -.315 | -.339 |
| .80 | -.077 | | | -.316 | -.355 | .80 | -.083 | | | -.311 | -.350 |
| .84 | | | .037 | | | .84 | | | .040 | | |
| .86 | | -.068 | | | | .86 | | -.069 | | | |
| .90 | | | | -.225 | -.305 | .90 | | | | -.218 | -.287 |
| .91 | -.040 | | | | | .91 | -.046 | | | | |
| .95 | -0.000 | -.083 | -.125 | -.105 | -.134 | .95 | -.004 | -.080 | -.120 | -.100 | -.123 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .100 | .023 | -.107 | -.124 | .05 | .062 | .129 | .081 | -.036 | -.056 |
| .10 | -.006 | .006 | -.105 | -.188 | -.225 | .10 | .011 | .056 | -.061 | -.148 | -.166 |
| .20 | -.069 | -.066 | -.166 | -.208 | -.218 | .20 | -.054 | -.025 | -.124 | -.171 | -.162 |
| .30 | -.095 | -.103 | -.172 | -.210 | -.190 | .30 | -.075 | -.067 | -.153 | -.169 | -.159 |
| .40 | -.091 | -.136 | -.190 | -.200 | -.175 | .40 | -.073 | -.100 | -.157 | -.167 | -.155 |
| .50 | -.061 | -.146 | -.202 | -.166 | -.134 | .50 | -.042 | -.137 | -.181 | -.146 | -.120 |
| .60 | -.046 | -.132 | -.212 | -.137 | -.050 | .60 | -.030 | -.110 | -.201 | -.121 | -.043 |
| .67 | | | -.109 | | | .67 | | | -.098 | | |
| .70 | -.010 | -.050 | | .079 | .111 | .70 | .005 | -.041 | | .090 | .119 |
| .80 | .088 | | | .260 | .282 | .80 | .096 | | | .266 | .285 |
| .84 | | | .226 | | | .84 | | | .225 | | |
| .86 | | .143 | | | | .86 | | .143 | | | |
| .90 | | | | .329 | .349 | .90 | | | | .337 | .350 |
| .91 | .147 | | | | | .91 | .154 | | | | |
| .95 | .119 | .177 | .293 | .305 | .329 | .95 | .126 | .176 | .295 | .309 | .329 |

RUN = 572 POINT = 9

TABLE 117 CONTINUED

RUN = 572 POINT = 10

| (G) ALPHA = 3.76 DEGREES | | | | | | (H) ALPHA = 4.78 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | -.010 | .286 | .636 | .727 | 0.00 | -.126 | -.130 | .179 | .542 | .697 |
| .05 | -.375 | -.790 | -1.285 | -1.186 | -.999 | .05 | -.448 | -1.072 | -1.482 | -1.315 | -1.214 |
| .10 | -.410 | -.717 | -1.135 | -1.067 | -.843 | .10 | -.483 | -.883 | -1.412 | -1.272 | -1.125 |
| .20 | -.390 | -.564 | -.669 | -.386 | -.409 | .20 | -.434 | -.689 | -.947 | -1.106 | -.747 |
| .30 | -.341 | -.521 | -.414 | -.370 | -.384 | .30 | -.379 | -.635 | -.466 | -.378 | -.366 |
| .40 | -.335 | -.408 | -.306 | -.348 | -.369 | .40 | -.379 | -.497 | -.325 | -.338 | -.373 |
| .50 | -.314 | -.349 | -.252 | -.338 | -.369 | .50 | -.361 | -.408 | -.253 | -.326 | -.373 |
| .60 | -.245 | -.211 | -.221 | -.325 | -.351 | .60 | -.296 | -.247 | -.230 | -.326 | -.356 |
| .67 | | | -.156 | | | .67 | | | -.158 | | |
| .70 | -.164 | -.162 | | -.325 | -.354 | .70 | -.197 | -.173 | | -.313 | -.351 |
| .80 | -.097 | | | -.315 | -.356 | .80 | -.120 | | | -.299 | -.345 |
| .84 | | | .038 | | | .84 | | | .035 | | |
| .86 | | -.076 | | | | .86 | | -.076 | | | |
| .90 | | | | -.220 | -.293 | .90 | | | | -.196 | -.274 |
| .91 | -.053 | | | | | .91 | -.068 | | | | |
| .95 | -.006 | -.078 | -.119 | -.097 | -.120 | .95 | -.013 | -.067 | -.113 | -.102 | -.112 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .070 | .163 | .133 | .023 | .005 | .05 | .091 | .223 | .234 | .132 | .122 |
| .10 | .022 | .099 | -.006 | -.085 | -.118 | .10 | .053 | .155 | .073 | .014 | -.005 |
| .20 | -.042 | .009 | -.099 | -.141 | -.133 | .20 | -.001 | .053 | -.015 | -.074 | -.054 |
| .30 | -.059 | -.057 | -.135 | -.158 | -.135 | .30 | -.021 | -.005 | -.070 | -.092 | -.065 |
| .40 | -.057 | -.086 | -.141 | -.147 | -.131 | .40 | -.023 | -.043 | -.119 | -.096 | -.088 |
| .50 | -.030 | -.109 | -.160 | -.137 | -.103 | .50 | -.003 | -.088 | -.133 | -.100 | -.067 |
| .60 | -.018 | -.100 | -.192 | -.114 | -.036 | .60 | .012 | -.076 | -.163 | -.086 | -.009 |
| .67 | | | -.091 | | | .67 | | | -.074 | | |
| .70 | .011 | -.035 | | .095 | .114 | .70 | .037 | -.018 | | .104 | .130 |
| .80 | .101 | | | .269 | .284 | .80 | .120 | | | .283 | .296 |
| .84 | | | .232 | | | .84 | | | .242 | | |
| .86 | | .149 | | | | .86 | | .163 | | | |
| .90 | | | | .337 | .354 | .90 | | | | .344 | .359 |
| .91 | .158 | | | | | .91 | .168 | | | | |
| .95 | .137 | .175 | .299 | .307 | .333 | .95 | .146 | .181 | .298 | .324 | .335 |

RUN = 572 POINT = 11

TABLE 117

CONTINUED

RUN = 572 POINT = 12

| (I) ALPHA = 5.85 DEGREES | | | | | | (J) ALPHA = 7.82 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.187 | -.270 | .058 | .465 | .649 | 0.00 | -.308 | -.476 | -.126 | .355 | .579 |
| .05 | -.534 | -1.334 | -1.593 | -1.419 | -1.331 | .05 | -.728 | -1.528 | -1.445 | -.877 | -1.407 |
| .10 | -.544 | -1.075 | -1.539 | -1.378 | -1.333 | .10 | -.694 | -1.501 | -1.372 | -.812 | -1.323 |
| .20 | -.487 | -.775 | -1.453 | -1.178 | -1.186 | .20 | -.577 | -1.218 | -1.184 | -.731 | -.847 |
| .30 | -.426 | -.712 | -.733 | -.609 | -.500 | .30 | -.496 | -.850 | -1.033 | -.619 | -.644 |
| .40 | -.422 | -.587 | -.365 | -.422 | -.342 | .40 | -.502 | -.527 | -.909 | -.546 | -.519 |
| .50 | -.414 | -.464 | -.275 | -.361 | -.342 | .50 | -.492 | -.448 | -.780 | -.477 | -.506 |
| .60 | -.341 | -.265 | -.244 | -.313 | -.335 | .60 | -.409 | -.307 | -.642 | -.414 | -.436 |
| .67 | | | -.175 | | | .67 | | | -.525 | | |
| .70 | -.240 | -.181 | | -.284 | -.326 | .70 | -.294 | -.240 | | -.363 | -.345 |
| .80 | -.159 | | | -.248 | -.313 | .80 | -.215 | | | -.310 | -.298 |
| .84 | | | .031 | | | .84 | | | .028 | | |
| .86 | | -.084 | | | | .86 | | -.101 | | | |
| .90 | | | | -.162 | -.253 | .90 | | | | -.267 | -.257 |
| .91 | -.090 | | | | | .91 | -.138 | | | | |
| .95 | -.023 | -.060 | -.103 | -.099 | -.121 | .95 | -.045 | -.097 | -.244 | -.261 | -.174 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .273 | .307 | .217 | .226 | .05 | .114 | .346 | .430 | .342 | .312 |
| .10 | .079 | .197 | .154 | .081 | .069 | .10 | .118 | .256 | .263 | .185 | .148 |
| .20 | .030 | .097 | .036 | -.012 | -.008 | .20 | .086 | .148 | .128 | .063 | .050 |
| .30 | .006 | .044 | -.040 | -.046 | -.036 | .30 | .072 | .110 | .044 | 0.000 | 0.000 |
| .40 | .008 | .001 | -.077 | -.063 | -.050 | .40 | .066 | .057 | 0.000 | -.022 | -.042 |
| .50 | .032 | -.048 | -.099 | -.079 | -.047 | .50 | .076 | .008 | -.053 | -.075 | -.055 |
| .60 | .036 | -.050 | -.140 | -.073 | -0.000 | .60 | .078 | -.007 | -.108 | -.096 | -.023 |
| .67 | | | -.058 | | | .67 | | | -.044 | | |
| .70 | .055 | .003 | | .108 | .134 | .70 | .090 | .022 | | .065 | .107 |
| .80 | .132 | | | .276 | .292 | .80 | .161 | | | .230 | .273 |
| .84 | | | .241 | | | .84 | | | .236 | | |
| .86 | | .167 | | | | .86 | | .169 | | | |
| .90 | | | | .343 | .354 | .90 | | | | .291 | .328 |
| .91 | .182 | | | | | .91 | .195 | | | | |
| .95 | .156 | .177 | .300 | .320 | .335 | .95 | .171 | .173 | .279 | .256 | .299 |

RUN = 572 POINT = 13

TABLE 117

CONTINUED

RUN = 572 POINT = 14

| (K) ALPHA = 9.69 DEGREES | | | | | | (L) ALPHA = 11.61 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.436 | -.671 | -.316 | .258 | .537 | 0.00 | -.602 | -.926 | -.467 | .119 | .505 |
| .05 | -.908 | -1.579 | -1.205 | -.736 | -.740 | .05 | -1.157 | -1.556 | -1.037 | -.662 | -.439 |
| .10 | -.831 | -1.591 | -1.142 | -.699 | -.620 | .10 | -.970 | -1.477 | -.966 | -.656 | -.427 |
| .20 | -.649 | -1.512 | -1.039 | -.668 | -.497 | .20 | -.713 | -1.311 | -.949 | -.636 | -.420 |
| .30 | -.556 | -1.403 | -.961 | -.634 | -.461 | .30 | -.620 | -1.206 | -.914 | -.607 | -.414 |
| .40 | -.572 | -1.103 | -.922 | -.575 | -.439 | .40 | -.610 | -1.120 | -.869 | -.589 | -.394 |
| .50 | -.564 | -.569 | -.879 | -.544 | -.418 | .50 | -.497 | -1.062 | -.830 | -.575 | -.388 |
| .60 | -.447 | -.320 | -.829 | -.492 | -.389 | .60 | -.460 | -.925 | -.791 | -.538 | -.373 |
| .67 | | | -.764 | | | .67 | | | -.746 | | |
| .70 | -.362 | -.376 | | -.465 | -.362 | .70 | -.426 | -.771 | | -.516 | -.371 |
| .80 | -.291 | | | -.431 | -.349 | .80 | -.395 | | | -.492 | -.371 |
| .84 | | | .022 | | | .84 | | | .016 | | |
| .86 | | -.177 | | | | .86 | | -.529 | | | |
| .90 | | | | -.416 | -.338 | .90 | | | | -.474 | -.370 |
| .91 | -.172 | | | | | .91 | -.306 | | | | |
| .95 | -.062 | -.205 | -.548 | -.396 | -.327 | .95 | -.142 | -.412 | -.641 | -.451 | -.370 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .112 | .393 | .511 | .418 | .371 | .05 | .094 | .417 | .564 | .499 | .427 |
| .10 | .153 | .313 | .344 | .256 | .192 | .10 | .166 | .350 | .410 | .328 | .257 |
| .20 | .139 | .204 | .203 | .119 | .080 | .20 | .189 | .245 | .261 | .178 | .132 |
| .30 | .125 | .169 | .107 | .038 | .017 | .30 | .179 | .229 | .160 | .082 | .060 |
| .40 | .121 | .106 | .046 | -0.000 | -.038 | .40 | .164 | .153 | .082 | .032 | -.001 |
| .50 | .129 | .048 | -.026 | -.071 | -.068 | .50 | .173 | .089 | .005 | -.049 | -.046 |
| .60 | .117 | .024 | -.096 | -.113 | -.055 | .60 | .152 | .048 | -.083 | -.101 | -.047 |
| .67 | | | -.049 | | | .67 | | | -.053 | | |
| .70 | .121 | .040 | | .039 | .065 | .70 | .142 | .048 | | .043 | .054 |
| .80 | .177 | | | .209 | .235 | .80 | .191 | | | .203 | .218 |
| .84 | | | .205 | | | .84 | | | .170 | | |
| .86 | | .175 | | | | .86 | | .155 | | | |
| .90 | | | | .267 | .276 | .90 | | | | .261 | .265 |
| .91 | .199 | | | | | .91 | .207 | | | | |
| .95 | .185 | .165 | .217 | .233 | .229 | .95 | .189 | .108 | .182 | .212 | .218 |

RUN = 572 POINT = 15

TABLE 117

CONCLUDED

| X/C | (M) ALPHA = .24 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .025 | .277 | .570 | .731 | .599 |
| .05 | -.154 | -.271 | -.302 | -.272 | -.130 |
| .10 | -.210 | -.255 | -.353 | -.237 | -.152 |
| .20 | -.231 | -.259 | -.259 | -.213 | -.159 |
| .30 | -.190 | -.263 | -.236 | -.208 | -.243 |
| .40 | -.180 | -.213 | -.181 | -.196 | -.258 |
| .50 | -.174 | -.197 | -.148 | -.194 | -.256 |
| .60 | -.126 | -.119 | -.139 | -.219 | -.269 |
| .67 | | | -.092 | | |
| .70 | -.067 | -.098 | | -.247 | -.276 |
| .80 | -.037 | | | -.278 | -.321 |
| .84 | | | .042 | | |
| .86 | | -.041 | | | |
| .90 | | | | -.237 | -.298 |
| .91 | -.017 | | | | |
| .95 | .003 | -.092 | -.127 | -.129 | -.143 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.041 | -.164 | -.432 | -.611 | -.785 |
| .10 | -.106 | .137 | -.406 | -.576 | -.725 |
| .20 | -.168 | .209 | -.367 | -.473 | -.385 |
| .30 | -.192 | -.242 | -.339 | -.375 | -.309 |
| .40 | -.186 | -.261 | -.308 | -.314 | -.295 |
| .50 | -.148 | -.259 | -.306 | -.259 | -.230 |
| .60 | -.122 | -.209 | -.294 | -.185 | -.128 |
| .67 | | | -.154 | | |
| .70 | -.063 | -.100 | | .056 | .056 |
| .80 | .035 | | | .210 | .149 |
| .84 | | | .199 | | |
| .86 | | .114 | | | |
| .90 | | | | .288 | .201 |
| .91 | .109 | | | | |
| .95 | .158 | .159 | .263 | .292 | .207 |

RUN = 571 POINT = 1

TABLE 118

WING PRESSURE COEFFICIENTS

RUN = 571 POINT = 2

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .18 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .030 | .307 | .620 | .746 | .594 | 0.00 | .012 | .285 | .597 | .763 | .664 |
| .05 | -.115 | -.145 | -.122 | -.134 | -.006 | .05 | -.154 | -.257 | -.253 | -.300 | -.120 |
| .10 | -.156 | -.152 | -.239 | -.141 | -.056 | .10 | -.205 | -.242 | -.380 | -.275 | -.153 |
| .20 | -.186 | -.195 | -.192 | -.145 | -.104 | .20 | -.231 | -.250 | -.306 | -.246 | -.169 |
| .30 | -.160 | -.223 | -.196 | -.143 | -.127 | .30 | -.199 | -.268 | -.291 | -.211 | -.196 |
| .40 | -.145 | -.177 | -.137 | -.143 | -.166 | .40 | -.194 | -.253 | -.173 | -.193 | -.224 |
| .50 | -.148 | -.160 | -.120 | -.170 | -.168 | .50 | -.192 | -.215 | -.152 | -.213 | -.228 |
| .60 | -.098 | -.093 | -.116 | -.199 | -.202 | .60 | -.141 | -.124 | -.137 | -.249 | -.252 |
| .67 | | | -.072 | | | .67 | | | -.086 | | |
| .70 | -.046 | -.080 | | -.245 | -.271 | .70 | -.074 | -.101 | | -.289 | -.310 |
| .80 | -.014 | | | -.296 | -.371 | .80 | -.035 | | | -.350 | -.411 |
| .84 | | | .041 | | | .84 | | | .046 | | |
| .86 | | -.047 | | | | .86 | | -.057 | | | |
| .90 | | | | -.207 | -.328 | .90 | | | | -.244 | -.335 |
| .91 | -.009 | | | | | .91 | -.018 | | | | |
| .95 | -.003 | -.105 | -.131 | -.063 | -.103 | .95 | -.005 | -.101 | -.133 | -.087 | -.101 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.083 | -.291 | -.604 | -.728 | -.790 | .05 | -.048 | -.177 | -.415 | -.590 | -.687 |
| .10 | -.148 | -.061 | -.558 | -.833 | -.893 | .10 | -.112 | -.105 | -.408 | -.652 | -.794 |
| .20 | -.221 | .115 | -.502 | -.748 | -.910 | .20 | -.182 | .046 | -.417 | -.600 | -.781 |
| .30 | -.255 | -.343 | -.516 | -.677 | -.893 | .30 | -.220 | -.266 | -.426 | -.563 | -.748 |
| .40 | -.240 | -.362 | -.522 | -.695 | -.819 | .40 | -.203 | -.291 | -.444 | -.603 | -.649 |
| .50 | -.191 | -.419 | -.562 | -.724 | -.464 | .50 | -.160 | -.355 | -.421 | -.547 | -.101 |
| .60 | -.196 | -.368 | -.476 | -.121 | -.008 | .60 | -.151 | -.283 | -.437 | -.129 | -.041 |
| .67 | | | -.225 | | | .67 | | | -.204 | | |
| .70 | -.145 | -.175 | | .077 | .117 | .70 | -.104 | -.145 | | .103 | .136 |
| .80 | -.027 | | | .158 | .247 | .80 | .005 | | | .234 | .277 |
| .84 | | | .134 | | | .84 | | | .169 | | |
| .86 | | .055 | | | | .86 | | .089 | | | |
| .90 | | | | .227 | .290 | .90 | | | | .301 | .341 |
| .91 | .078 | | | | | .91 | .093 | | | | |
| .95 | .112 | .125 | .239 | .271 | .282 | .95 | .106 | .144 | .265 | .305 | .324 |

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.92 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .002 | .244 | .568 | .762 | .700 | 0.00 | -.014 | .196 | .512 | .752 | .727 |
| .05 | -.204 | -.348 | -.407 | -.511 | -.262 | .05 | -.240 | -.441 | -.639 | -.666 | -.498 |
| .10 | -.243 | -.337 | -.529 | -.440 | -.262 | .10 | -.294 | -.432 | -.661 | -.701 | -.428 |
| .20 | -.264 | -.348 | -.458 | -.316 | -.248 | .20 | -.299 | -.432 | -.557 | -.570 | -.293 |
| .30 | -.240 | -.369 | -.433 | -.270 | -.241 | .30 | -.256 | -.444 | -.576 | -.153 | -.281 |
| .40 | -.230 | -.320 | -.185 | -.237 | -.276 | .40 | -.264 | -.406 | -.314 | -.184 | -.308 |
| .50 | -.242 | -.261 | -.176 | -.254 | -.278 | .50 | -.284 | -.351 | -.176 | -.244 | -.305 |
| .60 | -.176 | -.149 | -.168 | -.268 | -.303 | .60 | -.226 | -.176 | -.161 | -.290 | -.348 |
| .67 | | | -.105 | | | .67 | | | -.102 | | |
| .70 | -.105 | -.115 | | -.319 | -.346 | .70 | -.144 | -.121 | | -.355 | -.396 |
| .80 | -.049 | | | -.376 | -.417 | .80 | -.074 | | | -.444 | -.450 |
| .84 | | | .047 | | | .84 | | | .050 | | |
| .86 | | -.064 | | | | .86 | | -.059 | | | |
| .90 | | | | -.230 | -.369 | .90 | | | | -.228 | -.315 |
| .91 | -.028 | | | | | .91 | -.033 | | | | |
| .95 | -.004 | -.098 | -.140 | -.075 | -.107 | .95 | -.003 | -.089 | -.136 | -.077 | -.080 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.017 | -.081 | -.241 | -.420 | -.561 | .05 | .013 | -.002 | -.115 | -.272 | -.346 |
| .10 | -.081 | -.094 | -.305 | -.522 | -.666 | .10 | -.053 | -.055 | -.190 | -.368 | -.457 |
| .20 | -.154 | .003 | -.323 | -.463 | -.584 | .20 | -.122 | -.013 | -.246 | -.366 | -.418 |
| .30 | -.184 | -.204 | -.348 | -.460 | -.515 | .30 | -.148 | -.147 | -.275 | -.377 | -.324 |
| .40 | -.174 | -.232 | -.352 | -.516 | -.224 | .40 | -.135 | -.191 | -.284 | -.432 | -.238 |
| .50 | -.133 | -.284 | -.352 | -.250 | -.181 | .50 | -.096 | -.225 | -.293 | -.184 | -.183 |
| .60 | -.118 | -.242 | -.387 | -.145 | -.071 | .60 | -.083 | -.196 | -.350 | -.152 | -.071 |
| .67 | | | -.188 | | | .67 | | | -.168 | | |
| .70 | -.075 | -.126 | | .096 | .124 | .70 | -.049 | -.098 | | .100 | .118 |
| .80 | .029 | | | .249 | .266 | .80 | .060 | | | .265 | .268 |
| .84 | | | .191 | | | .84 | | | .212 | | |
| .86 | | .104 | | | | .86 | | .123 | | | |
| .90 | | | | .314 | .331 | .90 | | | | .325 | .340 |
| .91 | .113 | | | | | .91 | .129 | | | | |
| .95 | .111 | .159 | .282 | .311 | .323 | .95 | .117 | .169 | .291 | .318 | .325 |

RUN = 571 POINT = 5

TABLE 118 CONTINUED

RUN = 571 POINT = 6

| (E) ALPHA = 2.87 DEGREES | | | | | | (F) ALPHA = 3.44 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .123 | .448 | .731 | .742 | 0.00 | -.056 | .080 | .416 | .711 | .747 |
| .05 | -.311 | -.621 | -.849 | -.752 | -.666 | .05 | -.347 | -.711 | -.952 | -.808 | -.719 |
| .10 | -.370 | -.572 | -.821 | -.822 | -.720 | .10 | -.393 | -.626 | -.920 | -.862 | -.767 |
| .20 | -.346 | -.483 | -.680 | -.787 | -.677 | .20 | -.365 | -.520 | -.775 | -.839 | -.757 |
| .30 | -.313 | -.512 | -.663 | -.720 | -.595 | .30 | -.322 | -.548 | -.703 | -.813 | -.726 |
| .40 | -.294 | -.516 | -.497 | -.663 | -.193 | .40 | -.315 | -.550 | -.584 | -.735 | -.688 |
| .50 | -.335 | -.446 | -.286 | -.137 | -.447 | .50 | -.347 | -.497 | -.462 | -.452 | -.647 |
| .60 | -.294 | -.284 | -.179 | -.221 | -.291 | .60 | -.319 | -.335 | -.213 | -.175 | -.377 |
| .67 | | | -.106 | | | .67 | | | -.120 | | |
| .70 | -.199 | -.155 | | -.302 | -.379 | .70 | -.239 | -.177 | | -.254 | -.281 |
| .80 | -.111 | | | -.375 | -.485 | .80 | -.140 | | | -.332 | -.411 |
| .84 | | | .049 | | | .84 | | | .052 | | |
| .86 | | -.062 | | | | .86 | | -.069 | | | |
| .90 | | | | -.265 | -.333 | .90 | | | | -.240 | -.351 |
| .91 | -.057 | | | | | .91 | -.071 | | | | |
| .95 | -.012 | -.075 | -.111 | -.099 | -.094 | .95 | -.013 | -.065 | -.096 | -.098 | -.107 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .038 | .083 | -.001 | -.143 | -.158 | .05 | .053 | .120 | .069 | -.078 | -.098 |
| .10 | -.017 | .001 | -.101 | -.260 | -.317 | .10 | 0.000 | .050 | -.053 | -.196 | -.219 |
| .20 | -.085 | -.006 | -.174 | -.283 | -.282 | .20 | -.062 | .013 | -.127 | -.227 | -.233 |
| .30 | -.107 | -.096 | -.210 | -.287 | -.257 | .30 | -.080 | -.067 | -.171 | -.258 | -.207 |
| .40 | -.102 | -.141 | -.229 | -.358 | -.212 | .40 | -.079 | -.107 | -.194 | -.267 | -.179 |
| .50 | -.066 | -.183 | -.247 | -.192 | -.160 | .50 | -.043 | -.152 | -.224 | -.175 | -.136 |
| .60 | -.055 | -.160 | -.316 | -.142 | -.061 | .60 | -.028 | -.141 | -.291 | -.128 | -.044 |
| .67 | | | -.135 | | | .67 | | | -.122 | | |
| .70 | -.019 | -.074 | | .112 | .126 | .70 | -.002 | -.067 | | .117 | .143 |
| .80 | .075 | | | .279 | .295 | .80 | .092 | | | .285 | .302 |
| .84 | | | .224 | | | .84 | | | .228 | | |
| .86 | | .138 | | | | .86 | | .143 | | | |
| .90 | | | | .342 | .364 | .90 | | | | .352 | .372 |
| .91 | .142 | | | | | .91 | .155 | | | | |
| .95 | .123 | .172 | .300 | .335 | .355 | .95 | .136 | .178 | .306 | .336 | .360 |

RUN = 571 POINT = 7

TABLE 118 CONTINUED

RUN = 571 POINT = 8

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.98 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.070 | .050 | .386 | .695 | .744 | 0.00 | -.113 | -.037 | .301 | .664 | .728 |
| .05 | -.385 | -.803 | -.994 | -.856 | -.761 | .05 | -.457 | -1.018 | -1.113 | -.957 | -.838 |
| .10 | -.421 | -.702 | -1.016 | -.921 | -.801 | .10 | -.479 | -.918 | -1.151 | -.999 | -.906 |
| .20 | -.404 | -.561 | -.873 | -.888 | -.787 | .20 | -.453 | -.636 | -1.087 | -.989 | -.891 |
| .30 | -.333 | -.573 | -.728 | -.868 | -.778 | .30 | -.356 | -.622 | -.900 | -.969 | -.863 |
| .40 | -.337 | -.585 | -.643 | -.830 | -.777 | .40 | -.377 | -.639 | -.691 | -.944 | -.865 |
| .50 | -.355 | -.538 | -.566 | -.768 | -.782 | .50 | -.399 | -.597 | -.654 | -.909 | -.862 |
| .60 | -.348 | -.421 | -.285 | -.272 | -.723 | .60 | -.390 | -.528 | -.573 | -.875 | -.853 |
| .67 | | | -.142 | | | .67 | | | -.214 | | |
| .70 | -.272 | -.208 | | -.234 | -.220 | .70 | -.358 | -.349 | | -.542 | -.791 |
| .80 | -.180 | | | -.294 | -.297 | .80 | -.252 | | | -.243 | -.575 |
| .84 | | | .047 | | | .84 | | | .047 | | |
| .86 | | -.076 | | | | .86 | | -.103 | | | |
| .90 | | | | -.217 | -.271 | .90 | | | | -.152 | -.273 |
| .91 | -.081 | | | | | .91 | -.136 | | | | |
| .95 | -.024 | -.061 | -.078 | -.090 | -.106 | .95 | -.054 | -.061 | -.061 | -.062 | -.059 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .071 | .170 | .126 | -.019 | -.041 | .05 | .087 | .231 | .215 | .075 | .055 |
| .10 | .018 | .098 | -.009 | -.143 | -.160 | .10 | .052 | .152 | .066 | -.054 | -.040 |
| .20 | -.048 | .042 | -.103 | -.196 | -.187 | .20 | -.011 | .077 | -.034 | -.122 | -.112 |
| .30 | -.063 | -.044 | -.147 | -.217 | -.172 | .30 | -.030 | -.003 | -.100 | -.154 | -.122 |
| .40 | -.061 | -.085 | -.168 | -.237 | -.156 | .40 | -.024 | -.048 | -.127 | -.174 | -.122 |
| .50 | -.027 | -.132 | -.203 | -.157 | -.113 | .50 | .009 | -.093 | -.158 | -.131 | -.086 |
| .60 | -.020 | -.115 | -.263 | -.115 | -.024 | .60 | .009 | -.087 | -.227 | -.098 | -.011 |
| .67 | | | -.112 | | | .67 | | | -.100 | | |
| .70 | .013 | -.055 | | .124 | .152 | .70 | .035 | -.033 | | .132 | .151 |
| .80 | .099 | | | .291 | .315 | .80 | .113 | | | .302 | .315 |
| .84 | | | .233 | | | .84 | | | .240 | | |
| .86 | | .149 | | | | .86 | | .156 | | | |
| .90 | | | | .356 | .387 | .90 | | | | .365 | .384 |
| .91 | .160 | | | | | .91 | .169 | | | | |
| .95 | .149 | .187 | .308 | .351 | .375 | .95 | .147 | .175 | .304 | .350 | .363 |

RUN = 571 POINT = 9

TABLE 118 CONTINUED

RUN = 571 POINT = 10

| (I) ALPHA = 6.15 DEGREES | | | | | | (J) ALPHA = 8.12 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.173 | -.132 | .226 | .611 | .712 | 0.00 | -.277 | -.306 | .063 | .491 | .656 |
| .05 | -.531 | -1.181 | -1.221 | -1.055 | -.946 | .05 | -.699 | -1.272 | -1.363 | -1.195 | -1.099 |
| .10 | -.570 | -1.121 | -1.260 | -1.091 | -.992 | .10 | -.693 | -1.253 | -1.339 | -1.215 | -1.128 |
| .20 | -.494 | -.747 | -1.211 | -1.080 | -.980 | .20 | -.548 | -1.098 | -1.309 | -1.190 | -1.087 |
| .30 | -.398 | -.679 | -1.151 | -1.066 | -.960 | .30 | -.457 | -1.007 | -1.271 | -1.118 | -1.022 |
| .40 | -.403 | -.686 | -.778 | -1.039 | -.955 | .40 | -.454 | -.854 | -1.092 | -1.049 | -.860 |
| .50 | -.437 | -.654 | -.701 | -1.006 | -.953 | .50 | -.490 | -.796 | -.920 | -.731 | -.879 |
| .60 | -.433 | -.622 | -.697 | -.962 | -.907 | .60 | -.505 | -.690 | -.749 | -.571 | -.664 |
| .67 | | | -.337 | | | .67 | | | -.587 | | |
| .70 | -.420 | -.472 | | -.689 | -.558 | .70 | -.507 | -.638 | | -.490 | -.389 |
| .80 | -.338 | | | -.408 | -.389 | .80 | -.439 | | | -.426 | -.348 |
| .84 | | | .039 | | | .84 | | | .031 | | |
| .86 | | -.138 | | | | .86 | | -.161 | | | |
| .90 | | | | -.215 | -.307 | .90 | | | | -.367 | -.321 |
| .91 | -.201 | | | | | .91 | -.290 | | | | |
| .95 | -.090 | -.084 | -.050 | -.133 | -.171 | .95 | -.133 | -.121 | -.202 | -.331 | -.288 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .286 | .299 | .161 | .152 | .05 | .122 | .366 | .432 | .317 | .276 |
| .10 | .078 | .196 | .138 | .024 | .033 | .10 | .126 | .268 | .259 | .157 | .132 |
| .20 | .026 | .108 | .020 | -.064 | -.064 | .20 | .094 | .160 | .128 | .043 | .016 |
| .30 | .011 | .052 | -.046 | -.104 | -.082 | .30 | .085 | .127 | .038 | -.028 | -.036 |
| .40 | .010 | -.003 | -.099 | -.115 | -.098 | .40 | .076 | .070 | -.013 | -.064 | -.078 |
| .50 | .036 | -.052 | -.130 | -.119 | -.096 | .50 | .096 | .010 | -.067 | -.100 | -.097 |
| .60 | .043 | -.062 | -.204 | -.094 | -.040 | .60 | .087 | -.014 | -.150 | -.114 | -.072 |
| .67 | | | -.090 | | | .67 | | | -.074 | | |
| .70 | .056 | -.020 | | .116 | .115 | .70 | .098 | .014 | | .074 | .072 |
| .80 | .136 | | | .292 | .282 | .80 | .164 | | | .248 | .246 |
| .84 | | | .245 | | | .84 | | | .232 | | |
| .86 | | .164 | | | | .86 | | .166 | | | |
| .90 | | | | .352 | .342 | .90 | | | | .304 | .302 |
| .91 | .178 | | | | | .91 | .199 | | | | |
| .95 | .152 | .177 | .301 | .330 | .306 | .95 | .166 | .179 | .279 | .271 | .266 |

RUN = 571 POINT = 11

TABLE 118 CONTINUED

RUN = 571 POINT = 12

| (K) ALPHA = 9.94 DEGREES | | | | | | (L) ALPHA = 11.84 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.401 | -.464 | -.099 | .381 | .612 | 0.00 | -.528 | -.651 | -.270 | .269 | .550 |
| .05 | -.890 | -1.282 | -1.106 | -.784 | -.724 | .05 | -1.078 | -1.297 | -1.055 | -.650 | -.572 |
| .10 | -.878 | -1.291 | -1.095 | -.765 | -.624 | .10 | -1.054 | -1.301 | -1.050 | -.652 | -.538 |
| .20 | -.591 | -1.249 | -1.048 | -.698 | -.503 | .20 | -.635 | -1.297 | -.956 | -.646 | -.540 |
| .30 | -.510 | -1.244 | -.963 | -.675 | -.471 | .30 | -.515 | -1.347 | -.878 | -.639 | -.526 |
| .40 | -.508 | -1.178 | -.868 | -.637 | -.442 | .40 | -.517 | -1.308 | -.825 | -.623 | -.509 |
| .50 | -.543 | -1.095 | -.781 | -.590 | -.447 | .50 | -.559 | -1.113 | -.792 | -.607 | -.509 |
| .60 | -.555 | -.817 | -.740 | -.550 | -.412 | .60 | -.581 | -.852 | -.766 | -.594 | -.483 |
| .67 | | | -.704 | | | .67 | | | -.736 | | |
| .70 | -.521 | -.710 | | -.521 | -.388 | .70 | -.493 | -.807 | | -.585 | -.452 |
| .80 | -.307 | | | -.497 | -.381 | .80 | -.179 | | | -.560 | -.446 |
| .84 | | | .026 | | | .84 | | | .024 | | |
| .86 | | -.351 | | | | .86 | | -.670 | | | |
| .90 | | | | -.475 | -.378 | .90 | | | | -.537 | -.442 |
| .91 | -.298 | | | | | .91 | -.321 | | | | |
| .95 | -.165 | -.368 | -.593 | -.454 | -.369 | .95 | -.220 | -.582 | -.687 | -.515 | -.423 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .127 | .411 | .513 | .408 | .361 | .05 | .117 | .440 | .574 | .489 | .435 |
| .10 | .157 | .324 | .345 | .242 | .210 | .10 | .183 | .366 | .421 | .321 | .277 |
| .20 | .146 | .212 | .202 | .105 | .068 | .20 | .196 | .254 | .272 | .172 | .127 |
| .30 | .135 | .180 | .105 | .022 | .001 | .30 | .192 | .239 | .165 | .075 | .054 |
| .40 | .129 | .126 | .038 | -.035 | -.059 | .40 | .181 | .166 | .091 | .016 | -.020 |
| .50 | .142 | .050 | -.039 | -.102 | -.099 | .50 | .189 | .099 | .007 | -.071 | -.072 |
| .60 | .127 | .015 | -.138 | -.131 | -.081 | .60 | .170 | .056 | -.101 | -.118 | -.068 |
| .67 | | | -.087 | | | .67 | | | -.069 | | |
| .70 | .127 | .026 | | .046 | .051 | .70 | .159 | .050 | | .050 | .050 |
| .80 | .193 | | | .222 | .230 | .80 | .202 | | | .227 | .227 |
| .84 | | | .193 | | | .84 | | | .186 | | |
| .86 | | .157 | | | | .86 | | .157 | | | |
| .90 | | | | .283 | .283 | .90 | | | | .285 | .282 |
| .91 | .203 | | | | | .91 | .216 | | | | |
| .95 | .181 | .139 | .226 | .240 | .245 | .95 | .191 | .108 | .220 | .243 | .238 |

RUN = 571 POINT = 13

TABLE 118 CONCLUDED

| | (M) ALPHA = .22 DEGREES | | | | |
|------|-------------------------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .013 | .279 | .593 | .762 | .658 |
| .05 | -.155 | -.250 | -.275 | -.301 | -.130 |
| .10 | -.208 | -.247 | -.358 | -.274 | -.152 |
| .20 | -.228 | -.252 | -.330 | -.244 | -.170 |
| .30 | -.201 | -.285 | -.277 | -.215 | -.189 |
| .40 | -.190 | -.260 | -.193 | -.199 | -.228 |
| .50 | -.192 | -.228 | -.160 | -.204 | -.223 |
| .60 | -.142 | -.128 | -.147 | -.249 | -.262 |
| .67 | | | -.093 | | |
| .70 | -.074 | -.106 | | -.290 | -.306 |
| .80 | -.034 | | | -.348 | -.428 |
| .84 | | | .040 | | |
| .86 | | -.062 | | | |
| .90 | | | | -.244 | -.331 |
| .91 | -.019 | | | | |
| .95 | -.004 | -.106 | -.142 | -.089 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.047 | -.191 | -.384 | -.580 | -.688 |
| .10 | -.113 | .125 | -.398 | -.661 | -.792 |
| .20 | -.186 | .205 | -.415 | -.600 | -.800 |
| .30 | -.219 | -.266 | -.422 | -.564 | -.736 |
| .40 | -.208 | -.305 | -.445 | -.605 | -.658 |
| .50 | -.160 | -.353 | -.422 | -.585 | -.106 |
| .60 | -.146 | -.290 | -.436 | -.126 | -.040 |
| .67 | | | -.206 | | |
| .70 | -.115 | -.155 | | .096 | .130 |
| .80 | .006 | | | .236 | .277 |
| .84 | | | .168 | | |
| .86 | | .078 | | | |
| .90 | | | | .309 | .332 |
| .91 | .092 | | | | |
| .95 | .152 | .143 | .265 | .307 | .321 |

RUN = 570 POINT = 3

TABLE 119

WING PRESSURE COEFFICIENTS

RUN = 570 POINT = 4

| (A) ALPHA = -.87 DEGREES | | | | | | (B) ALPHA = .16 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA |
| .1902 | | .2929 | .3809 | .5556 | .7111 | .1902 | | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .308 | .637 | .754 | .625 | 0.00 | .003 | .277 | .613 | .752 | .666 |
| .05 | -.110 | -.136 | -.101 | -.141 | -.017 | .05 | -.164 | -.253 | -.289 | -.324 | -.173 |
| .10 | -.162 | -.148 | -.220 | -.159 | -.057 | .10 | -.212 | -.251 | -.406 | -.308 | -.180 |
| .20 | -.194 | -.185 | -.190 | -.159 | -.100 | .20 | -.246 | -.294 | -.381 | -.264 | -.198 |
| .30 | -.166 | -.207 | -.197 | -.148 | -.136 | .30 | -.214 | -.331 | -.296 | -.222 | -.211 |
| .40 | -.153 | -.180 | -.125 | -.153 | -.182 | .40 | -.206 | -.296 | -.182 | -.199 | -.248 |
| .50 | -.146 | -.161 | -.114 | -.173 | -.194 | .50 | -.214 | -.238 | -.169 | -.226 | -.248 |
| .60 | -.101 | -.093 | -.114 | -.215 | -.237 | .60 | -.154 | -.142 | -.159 | -.255 | -.286 |
| .67 | | | -.059 | | | .67 | | | -.097 | | |
| .70 | -.043 | -.080 | | -.265 | -.273 | .70 | -.091 | -.119 | | -.313 | -.336 |
| .80 | -.013 | | | -.330 | -.396 | .80 | -.042 | | | -.417 | -.455 |
| .84 | | | .050 | | | .84 | | | .037 | | |
| .86 | | -.046 | | | | .86 | | -.072 | | | |
| .90 | | | | -.195 | -.303 | .90 | | | | -.237 | -.372 |
| .91 | -.011 | | | | | .91 | -.031 | | | | |
| .95 | -.011 | -.114 | -.121 | -.040 | -.060 | .95 | -.016 | -.123 | -.152 | -.069 | -.097 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.073 | -.290 | -.607 | -.687 | -.736 | .05 | -.056 | -.184 | -.406 | -.552 | -.674 |
| .10 | -.142 | .322 | -.538 | -.790 | -.877 | .10 | -.119 | .108 | -.421 | -.638 | -.796 |
| .20 | -.222 | .515 | -.520 | -.731 | -.866 | .20 | -.205 | .382 | -.415 | -.608 | -.769 |
| .30 | -.289 | -.320 | -.500 | -.689 | -.853 | .30 | -.262 | -.283 | -.443 | -.588 | -.745 |
| .40 | -.237 | -.339 | -.523 | -.691 | -.830 | .40 | -.218 | -.312 | -.455 | -.617 | -.705 |
| .50 | -.190 | -.434 | -.609 | -.738 | -.643 | .50 | -.171 | -.385 | -.523 | -.685 | -.508 |
| .60 | -.189 | -.392 | -.633 | -.167 | -.138 | .60 | -.158 | -.348 | -.505 | -.160 | -.046 |
| .67 | | | -.275 | | | .67 | | | -.270 | | |
| .70 | -.166 | -.209 | | -.055 | .052 | .70 | -.134 | -.180 | | .041 | .115 |
| .80 | -.039 | | | .025 | .157 | .80 | -.013 | | | .176 | .248 |
| .84 | | | .093 | | | .84 | | | .144 | | |
| .86 | | .046 | | | | .86 | | .060 | | | |
| .90 | | | | .167 | .212 | .90 | | | | .267 | .329 |
| .91 | .060 | | | | | .91 | .079 | | | | |
| .95 | .482 | .118 | .222 | .218 | .208 | .95 | .324 | .125 | .249 | .286 | .310 |

RUN = 570 POINT = 5

TABLE 119 CONTINUED

RUN = 570 POINT = 6

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.90 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.008 | .238 | .560 | .753 | .715 | 0.00 | -.020 | .203 | .523 | .747 | .731 |
| .05 | -.211 | -.339 | -.439 | -.551 | -.304 | .05 | -.270 | -.455 | -.640 | -.620 | -.527 |
| .10 | -.268 | -.348 | -.537 | -.551 | -.275 | .10 | -.310 | -.436 | -.644 | -.689 | -.549 |
| .20 | -.281 | -.361 | -.454 | -.393 | -.263 | .20 | -.325 | -.421 | -.581 | -.626 | -.447 |
| .30 | -.242 | -.395 | -.507 | -.166 | -.263 | .30 | -.283 | -.457 | -.615 | -.570 | -.106 |
| .40 | -.242 | -.344 | -.243 | -.188 | -.290 | .40 | -.270 | -.457 | -.410 | -.269 | -.231 |
| .50 | -.255 | -.312 | -.167 | -.257 | -.285 | .50 | -.299 | -.396 | -.326 | -.136 | -.243 |
| .60 | -.198 | -.164 | -.158 | -.284 | -.333 | .60 | -.262 | -.244 | -.170 | -.231 | -.335 |
| .67 | | | -.097 | | | .67 | | | -.103 | | |
| .70 | -.121 | -.120 | | -.339 | -.367 | .70 | -.166 | -.153 | | -.302 | -.407 |
| .80 | -.062 | | | -.444 | -.479 | .80 | -.092 | | | -.423 | -.512 |
| .84 | | | .033 | | | .84 | | | .034 | | |
| .86 | | -.067 | | | | .86 | | -.071 | | | |
| .90 | | | | -.215 | -.359 | .90 | | | | -.284 | -.363 |
| .91 | -.036 | | | | | .91 | -.044 | | | | |
| .95 | -.012 | -.110 | -.145 | -.061 | -.086 | .95 | -.012 | -.096 | -.143 | -.090 | -.090 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.017 | -.074 | -.239 | -.415 | -.527 | .05 | .001 | -.005 | -.130 | -.295 | -.381 |
| .10 | -.086 | .035 | -.299 | -.510 | -.640 | .10 | -.051 | .017 | -.212 | -.403 | -.517 |
| .20 | -.166 | .271 | -.319 | -.486 | -.606 | .20 | -.133 | .192 | -.264 | -.400 | -.498 |
| .30 | -.192 | -.196 | -.364 | -.486 | -.591 | .30 | -.164 | -.161 | -.306 | -.403 | -.452 |
| .40 | -.179 | -.245 | -.382 | -.528 | -.568 | .40 | -.144 | -.206 | -.316 | -.477 | -.265 |
| .50 | -.131 | -.304 | -.390 | -.571 | -.173 | .50 | -.107 | -.265 | -.340 | -.479 | -.203 |
| .60 | -.121 | -.268 | -.442 | -.120 | -.055 | .60 | -.092 | -.221 | -.394 | -.123 | -.078 |
| .67 | | | -.230 | | | .67 | | | -.202 | | |
| .70 | -.094 | -.152 | | .098 | .129 | .70 | -.062 | -.124 | | .102 | .114 |
| .80 | .015 | | | .232 | .275 | .80 | .042 | | | .253 | .263 |
| .84 | | | .179 | | | .84 | | | .195 | | |
| .86 | | .080 | | | | .86 | | .105 | | | |
| .90 | | | | .299 | .349 | .90 | | | | .314 | .331 |
| .91 | .102 | | | | | .91 | .120 | | | | |
| .95 | .244 | .148 | .273 | .296 | .335 | .95 | .199 | .158 | .287 | .306 | .319 |

RUN = 570 POINT = 7

TABLE 119 CONTINUED

RUN = 570 POINT = 8

| (E) ALPHA = 2.90 DEGREES | | | | | | (F) ALPHA = 3.41 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.057 | .117 | .459 | .727 | .733 | 0.00 | -.070 | .089 | .427 | .721 | .739 |
| .05 | -.334 | -.635 | -.847 | -.734 | -.630 | .05 | -.363 | -.711 | -.923 | -.768 | -.665 |
| .10 | -.380 | -.581 | -.831 | -.801 | -.678 | .10 | -.416 | -.635 | -.916 | -.832 | -.713 |
| .20 | -.389 | -.499 | -.710 | -.765 | -.673 | .20 | -.407 | -.529 | -.780 | -.803 | -.707 |
| .30 | -.302 | -.520 | -.672 | -.754 | -.656 | .30 | -.311 | -.537 | -.701 | -.799 | -.709 |
| .40 | -.328 | -.534 | -.577 | -.712 | -.666 | .40 | -.340 | -.569 | -.628 | -.772 | -.702 |
| .50 | -.337 | -.490 | -.511 | -.643 | -.675 | .50 | -.348 | -.522 | -.567 | -.732 | -.707 |
| .60 | -.323 | -.370 | -.315 | -.196 | -.529 | .60 | -.342 | -.434 | -.468 | -.640 | -.713 |
| .67 | | | -.156 | | | .67 | | | -.200 | | |
| .70 | -.256 | -.249 | | -.274 | -.232 | .70 | -.283 | -.298 | | -.240 | -.651 |
| .80 | -.163 | | | -.361 | -.378 | .80 | -.205 | | | -.343 | -.383 |
| .84 | | | .027 | | | .84 | | | .030 | | |
| .86 | | -.097 | | | | .86 | | -.110 | | | |
| .90 | | | | -.252 | -.405 | .90 | | | | -.233 | -.307 |
| .91 | -.098 | | | | | .91 | -.109 | | | | |
| .95 | -.031 | -.097 | -.122 | -.096 | -.134 | .95 | -.045 | -.085 | -.108 | -.092 | -.136 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .022 | .063 | -.009 | -.170 | -.211 | .05 | .037 | .109 | .051 | -.103 | -.135 |
| .10 | -.033 | .033 | -.118 | -.283 | -.395 | .10 | -.018 | .068 | -.063 | -.215 | -.317 |
| .20 | -.107 | .137 | -.199 | -.312 | -.360 | .20 | -.083 | .121 | -.148 | -.264 | -.279 |
| .30 | -.129 | -.124 | -.228 | -.324 | -.281 | .30 | -.114 | -.082 | -.195 | -.280 | -.250 |
| .40 | -.118 | -.156 | -.259 | -.411 | -.232 | .40 | -.097 | -.134 | -.242 | -.370 | -.199 |
| .50 | -.079 | -.205 | -.277 | -.161 | -.170 | .50 | -.057 | -.181 | -.260 | -.157 | -.150 |
| .60 | -.070 | -.192 | -.355 | -.137 | -.067 | .60 | -.045 | -.178 | -.338 | -.133 | -.044 |
| .67 | | | -.187 | | | .67 | | | -.164 | | |
| .70 | -.040 | -.110 | | .104 | .124 | .70 | -.025 | -.095 | | .110 | .135 |
| .80 | .059 | | | .265 | .291 | .80 | .070 | | | .278 | .305 |
| .84 | | | .201 | | | .84 | | | .212 | | |
| .86 | | .109 | | | | .86 | | .121 | | | |
| .90 | | | | .335 | .363 | .90 | | | | .345 | .379 |
| .91 | .124 | | | | | .91 | .133 | | | | |
| .95 | .160 | .158 | .284 | .328 | .352 | .95 | .159 | .160 | .293 | .336 | .372 |

RUN = 570 POINT = 9

TABLE 119

CONTINUED

RUN = 570 POINT = 10

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.071 | .066 | .404 | .705 | .744 | 0.00 | -.114 | -.011 | .337 | .680 | .743 |
| .05 | -.382 | -.782 | -.968 | -.788 | -.690 | .05 | -.444 | -.979 | -1.074 | -.881 | -.763 |
| .10 | -.439 | -.683 | -.985 | -.851 | -.739 | .10 | -.488 | -.911 | -1.112 | -.926 | -.827 |
| .20 | -.403 | -.562 | -.871 | -.842 | -.738 | .20 | -.444 | -.600 | -1.034 | -.921 | -.822 |
| .30 | -.320 | -.553 | -.705 | -.833 | -.736 | .30 | -.356 | -.615 | -.963 | -.912 | -.812 |
| .40 | -.331 | -.575 | -.648 | -.797 | -.739 | .40 | -.360 | -.626 | -.676 | -.894 | -.814 |
| .50 | -.346 | -.530 | -.583 | -.787 | -.746 | .50 | -.380 | -.581 | -.647 | -.896 | -.814 |
| .60 | -.338 | -.472 | -.572 | -.740 | -.750 | .60 | -.380 | -.557 | -.660 | -.860 | -.821 |
| .67 | | | -.257 | | | .67 | | | -.422 | | |
| .70 | -.304 | -.343 | | -.571 | -.716 | .70 | -.353 | -.462 | | -.833 | -.778 |
| .80 | -.225 | | | -.278 | -.672 | .80 | -.270 | | | -.543 | -.672 |
| .84 | | | .043 | | | .84 | | | .045 | | |
| .86 | | -.117 | | | | .86 | | -.166 | | | |
| .90 | | | | -.194 | -.358 | .90 | | | | -.142 | -.438 |
| .91 | -.115 | | | | | .91 | -.173 | | | | |
| .95 | -.045 | -.074 | -.077 | -.064 | -.085 | .95 | -.083 | -.092 | -.067 | -.052 | -.194 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .168 | .122 | -.037 | -.072 | .05 | .087 | .224 | .220 | .063 | .021 |
| .10 | .015 | .114 | -.005 | -.157 | -.206 | .10 | .050 | .167 | .072 | -.065 | -.111 |
| .20 | -.047 | .131 | -.096 | -.208 | -.223 | .20 | -.013 | .143 | -.031 | -.135 | -.145 |
| .30 | -.071 | -.044 | -.151 | -.239 | -.206 | .30 | -.026 | -.005 | -.111 | -.194 | -.154 |
| .40 | -.063 | -.091 | -.183 | -.323 | -.178 | .40 | -.018 | -.052 | -.131 | -.235 | -.150 |
| .50 | -.023 | -.149 | -.224 | -.157 | -.126 | .50 | .001 | -.111 | -.169 | -.149 | -.120 |
| .60 | -.016 | -.145 | -.303 | -.121 | -.029 | .60 | .006 | -.109 | -.283 | -.115 | -.040 |
| .67 | | | -.139 | | | .67 | | | -.124 | | |
| .70 | .002 | -.074 | | .122 | .149 | .70 | .027 | -.052 | | .124 | .124 |
| .80 | .097 | | | .293 | .313 | .80 | .115 | | | .291 | .291 |
| .84 | | | .227 | | | .84 | | | .227 | | |
| .86 | | .135 | | | | .86 | | .143 | | | |
| .90 | | | | .357 | .389 | .90 | | | | .356 | .357 |
| .91 | .148 | | | | | .91 | .164 | | | | |
| .95 | .163 | .174 | .298 | .343 | .379 | .95 | .166 | .165 | .296 | .346 | .335 |

RUN = 570 POINT = 11

TABLE 119 CONTINUED

RUN = 570 POINT = 12

| (I) ALPHA = 6.08 DEGREES | | | | | | (J) ALPHA = 8.12 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.158 | -.107 | .253 | .629 | .731 | 0.00 | -.272 | -.261 | .110 | .525 | .687 |
| .05 | -.526 | -1.119 | -1.164 | -.964 | -.870 | .05 | -.698 | -1.219 | -1.304 | -1.112 | -1.014 |
| .10 | -.539 | -1.060 | -1.204 | -1.005 | -.918 | .10 | -.691 | -1.203 | -1.294 | -1.142 | -1.051 |
| .20 | -.464 | -.691 | -1.162 | -.999 | -.919 | .20 | -.531 | -1.056 | -1.253 | -1.130 | -1.041 |
| .30 | -.383 | -.657 | -1.102 | -.996 | -.902 | .30 | -.450 | -.969 | -1.227 | -1.105 | -1.004 |
| .40 | -.376 | -.650 | -.813 | -.967 | -.897 | .40 | -.441 | -.853 | -1.101 | -1.046 | -.956 |
| .50 | -.414 | -.629 | -.689 | -.974 | -.899 | .50 | -.474 | -.785 | -.941 | -1.022 | -.956 |
| .60 | -.409 | -.599 | -.699 | -.921 | -.872 | .60 | -.481 | -.678 | -.830 | -.785 | -.887 |
| .67 | | | -.582 | | | .67 | | | -.663 | | |
| .70 | -.396 | -.558 | | -.897 | -.654 | .70 | -.476 | -.638 | | -.549 | -.464 |
| .80 | -.332 | | | -.524 | -.429 | .80 | -.435 | | | -.463 | -.404 |
| .84 | | | .040 | | | .84 | | | .037 | | |
| .86 | | -.218 | | | | .86 | | -.283 | | | |
| .90 | | | | -.320 | -.323 | .90 | | | | -.408 | -.369 |
| .91 | -.246 | | | | | .91 | -.371 | | | | |
| .95 | -.120 | -.119 | -.081 | -.241 | -.264 | .95 | -.209 | -.206 | -.225 | -.376 | -.323 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .102 | .282 | .299 | .158 | -.117 | .05 | .126 | .371 | .424 | .308 | .251 |
| .10 | .079 | .212 | .147 | .023 | -.021 | .10 | .122 | .279 | .260 | .141 | .097 |
| .20 | .027 | .165 | .021 | -.078 | -.092 | .20 | .095 | .202 | .125 | .027 | -.002 |
| .30 | .013 | .043 | -.051 | -.130 | -.114 | .30 | .082 | .129 | .034 | -.031 | -.054 |
| .40 | .013 | -.008 | -.109 | -.153 | -.133 | .40 | .084 | .069 | -.020 | -.075 | -.095 |
| .50 | .042 | -.066 | -.135 | -.137 | -.126 | .50 | .095 | .007 | -.079 | -.120 | -.117 |
| .60 | .044 | -.066 | -.237 | -.118 | -.070 | .60 | .095 | -.018 | -.179 | -.130 | -.088 |
| .67 | | | -.110 | | | .67 | | | -.090 | | |
| .70 | .053 | -.032 | | .110 | .090 | .70 | .096 | -.001 | | .072 | .063 |
| .80 | .133 | | | .278 | .256 | .80 | .163 | | | .246 | .239 |
| .84 | | | .231 | | | .84 | | | .228 | | |
| .86 | | .147 | | | | .86 | | .152 | | | |
| .90 | | | | .334 | .320 | .90 | | | | .307 | .303 |
| .91 | .176 | | | | | .91 | .188 | | | | |
| .95 | .170 | .163 | .297 | .312 | .288 | .95 | .179 | .157 | .278 | .273 | .266 |

RUN = 570 POINT = 14

TABLE 119 CONCLUDED

RUN = 570 POINT = 15

| (K) ALPHA = 11.93 DEGREES | | | | | | (L) ALPHA = .18 DEGREES | | | | | |
|---------------------------|--------|--------|--------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.500 | -.623 | -.235 | .297 | .550 | 0.00 | .015 | .288 | .605 | .765 | .677 |
| .05 | -1.091 | -1.232 | -1.246 | -.629 | -.616 | .05 | -.152 | -.233 | -.269 | -.326 | -.139 |
| .10 | -1.085 | -1.235 | -1.236 | -.635 | -.573 | .10 | -.201 | -.242 | -.371 | -.301 | -.159 |
| .20 | -.674 | -1.235 | -1.083 | -.631 | -.556 | .20 | -.229 | -.273 | -.356 | -.238 | -.178 |
| .30 | -.473 | -1.306 | -.985 | -.617 | -.541 | .30 | -.200 | -.311 | -.250 | -.202 | -.201 |
| .40 | -.485 | -1.319 | -.873 | -.619 | -.520 | .40 | -.192 | -.270 | -.159 | -.183 | -.235 |
| .50 | -.529 | -1.317 | -.802 | -.603 | -.526 | .50 | -.200 | -.230 | -.155 | -.211 | -.232 |
| .60 | -.557 | -1.203 | -.795 | -.576 | -.502 | .60 | -.137 | -.126 | -.144 | -.242 | -.264 |
| .67 | | | -.770 | | | .67 | | | -.081 | | |
| .70 | -.564 | -.781 | | -.561 | -.470 | .70 | -.077 | -.100 | | -.301 | -.319 |
| .80 | -.454 | | | -.538 | -.463 | .80 | -.033 | | | -.397 | -.454 |
| .84 | | | .028 | | | .84 | | | .047 | | |
| .86 | | -.660 | | | | .86 | | -.057 | | | |
| .90 | | | | -.527 | -.446 | .90 | | | | -.227 | -.341 |
| .91 | -.153 | | | | | .91 | -.022 | | | | |
| .95 | -.087 | -.587 | -.714 | -.518 | -.434 | .95 | -.009 | -.107 | -.137 | -.058 | -.087 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .132 | .452 | .587 | .507 | .449 | .05 | -.039 | -.181 | -.367 | -.550 | -.636 |
| .10 | .188 | .378 | .432 | .339 | .277 | .10 | -.101 | .138 | -.413 | -.622 | -.760 |
| .20 | .209 | .286 | .297 | .190 | .147 | .20 | -.189 | .236 | -.411 | -.597 | -.761 |
| .30 | .203 | .252 | .188 | .099 | .066 | .30 | -.245 | -.265 | -.418 | -.575 | -.733 |
| .40 | .199 | .193 | .115 | .033 | -.010 | .40 | -.201 | -.300 | -.454 | -.602 | -.706 |
| .50 | .205 | .120 | .029 | -.052 | -.055 | .50 | -.156 | -.358 | -.509 | -.665 | -.540 |
| .60 | .187 | .071 | -.086 | -.103 | -.055 | .60 | -.146 | -.322 | -.492 | -.146 | -.024 |
| .67 | | | -.050 | | | .67 | | | -.260 | | |
| .70 | .179 | .065 | | .067 | .064 | .70 | -.123 | -.168 | | .057 | .128 |
| .80 | .223 | | | .244 | .239 | .80 | -.004 | | | .182 | .263 |
| .84 | | | .206 | | | .84 | | | .158 | | |
| .86 | | .172 | | | | .86 | | .073 | | | |
| .90 | | | | .298 | .289 | .90 | | | | .286 | .335 |
| .91 | .231 | | | | | .91 | .085 | | | | |
| .95 | .221 | .133 | .245 | .266 | .247 | .95 | .164 | .138 | .265 | .300 | .317 |

RUN = 569 POINT = 1

TABLE 120

WING PRESSURE COEFFICIENTS

RUN = 569 POINT = 2

| (A) ALPHA = -.71 DEGREES | | | | | | (B) ALPHA = .24 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .029 | .305 | .604 | .690 | .484 | 0.00 | .027 | .282 | .584 | .732 | .598 |
| .05 | -.114 | -.138 | -.121 | -.096 | .040 | .05 | -.147 | -.262 | -.257 | -.254 | -.094 |
| .10 | -.167 | -.146 | -.212 | -.111 | -.032 | .10 | -.204 | -.234 | -.340 | -.228 | -.123 |
| .20 | -.189 | -.193 | -.152 | -.125 | -.082 | .20 | -.228 | -.244 | -.232 | -.201 | -.146 |
| .30 | -.151 | -.194 | -.155 | -.139 | -.103 | .30 | -.179 | -.244 | -.218 | -.193 | -.164 |
| .40 | -.146 | -.148 | -.109 | -.143 | -.142 | .40 | -.173 | -.193 | -.151 | -.187 | -.183 |
| .50 | -.128 | -.128 | -.099 | -.153 | -.144 | .50 | -.159 | -.164 | -.120 | -.191 | -.177 |
| .60 | -.077 | -.066 | -.093 | -.175 | -.180 | .60 | -.103 | -.079 | -.122 | -.214 | -.224 |
| .67 | | | -.053 | | | .67 | | | -.075 | | |
| .70 | -.019 | -.039 | | -.208 | -.226 | .70 | -.038 | -.058 | | -.240 | -.257 |
| .80 | .049 | | | -.252 | -.277 | .80 | .036 | | | -.283 | -.304 |
| .84 | | | .039 | | | .84 | | | .040 | | |
| .86 | | -.010 | | | | .86 | | -.017 | | | |
| .90 | | | | -.206 | -.271 | .90 | | | | -.236 | -.280 |
| .91 | .064 | | | | | .91 | .058 | | | | |
| .95 | .015 | -.068 | -.109 | -.102 | -.125 | .95 | .015 | -.062 | -.124 | -.118 | -.125 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.088 | -.326 | -.700 | -.974 | -1.100 | .05 | -.038 | -.189 | -.452 | -.675 | -.859 |
| .10 | -.163 | -.219 | -.571 | -.872 | -1.088 | .10 | -.111 | -.199 | -.417 | -.626 | -.749 |
| .20 | -.209 | -.303 | -.499 | -.551 | -.437 | .20 | -.171 | -.267 | -.385 | -.484 | -.397 |
| .30 | -.240 | -.330 | -.432 | -.438 | -.349 | .30 | -.198 | -.257 | -.366 | -.376 | -.317 |
| .40 | -.236 | -.336 | -.394 | -.396 | -.333 | .40 | -.194 | -.269 | -.338 | -.340 | -.289 |
| .50 | -.193 | -.330 | -.374 | -.283 | -.245 | .50 | -.153 | -.286 | -.328 | -.260 | -.222 |
| .60 | -.169 | -.274 | -.343 | -.204 | -.114 | .60 | -.139 | -.238 | -.311 | -.194 | -.092 |
| .67 | | | -.185 | | | .67 | | | -.169 | | |
| .70 | -.126 | -.155 | | .040 | .060 | .70 | -.101 | -.137 | | .058 | .090 |
| .80 | -.039 | | | .159 | .169 | .80 | -.020 | | | .212 | .192 |
| .84 | | | .151 | | | .84 | | | .190 | | |
| .86 | | .096 | | | | .86 | | .114 | | | |
| .90 | | | | .202 | .217 | .90 | | | | .279 | .235 |
| .91 | .037 | | | | | .91 | .054 | | | | |
| .95 | -.092 | .148 | .230 | .217 | .219 | .95 | -.048 | .160 | .264 | .289 | .240 |

RUN = 569 POINT = 3

TABLE 120 CONTINUED

RUN = 569 POINT = 4

| (C) ALPHA = 1.05 DEGREES | | | | | | (D) ALPHA = 1.94 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .013 | .235 | .538 | .742 | .669 | 0.00 | -.013 | .170 | .451 | .732 | .714 |
| .05 | -.196 | -.352 | -.417 | -.387 | -.234 | .05 | -.251 | -.487 | -.638 | -.590 | -.417 |
| .10 | -.251 | -.338 | -.440 | -.333 | -.232 | .10 | -.304 | -.447 | -.601 | -.464 | -.337 |
| .20 | -.255 | -.316 | -.310 | -.264 | -.227 | .20 | -.296 | -.399 | -.384 | -.336 | -.304 |
| .30 | -.219 | -.304 | -.260 | -.237 | -.219 | .30 | -.259 | -.364 | -.319 | -.288 | -.278 |
| .40 | -.207 | -.229 | -.184 | -.219 | -.234 | .40 | -.245 | -.282 | -.235 | -.263 | -.270 |
| .50 | -.186 | -.196 | -.145 | -.231 | -.230 | .50 | -.229 | -.239 | -.190 | -.271 | -.272 |
| .60 | -.136 | -.103 | -.147 | -.241 | -.253 | .60 | -.160 | -.133 | -.167 | -.275 | -.287 |
| .67 | | | -.085 | | | .67 | | | -.118 | | |
| .70 | -.055 | -.070 | | -.261 | -.282 | .70 | -.081 | -.092 | | -.290 | -.313 |
| .80 | .023 | | | -.296 | -.327 | .80 | .005 | | | -.308 | -.356 |
| .84 | | | .044 | | | .84 | | | .034 | | |
| .86 | | -.023 | | | | .86 | | -.037 | | | |
| .90 | | | | -.243 | -.307 | .90 | | | | -.237 | -.320 |
| .91 | .049 | | | | | .91 | .039 | | | | |
| .95 | .017 | -.060 | -.118 | -.125 | -.150 | .95 | .007 | -.071 | -.120 | -.113 | -.155 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.004 | -.083 | -.270 | -.467 | -.504 | .05 | .015 | .003 | -.141 | -.280 | -.281 |
| .10 | -.073 | -.145 | -.316 | -.469 | -.538 | .10 | -.049 | -.090 | -.214 | -.347 | -.380 |
| .20 | -.134 | -.227 | -.306 | -.375 | -.379 | .20 | -.104 | -.184 | -.237 | -.296 | -.300 |
| .30 | -.158 | -.207 | -.304 | -.341 | -.256 | .30 | -.138 | -.163 | -.257 | -.284 | -.239 |
| .40 | -.160 | -.225 | -.294 | -.294 | -.253 | .40 | -.136 | -.196 | -.255 | -.253 | -.211 |
| .50 | -.124 | -.248 | -.294 | -.221 | -.197 | .50 | -.100 | -.214 | -.259 | -.202 | -.166 |
| .60 | -.112 | -.211 | -.290 | -.173 | -.083 | .60 | -.087 | -.196 | -.267 | -.161 | -.073 |
| .67 | | | -.156 | | | .67 | | | -.145 | | |
| .70 | -.077 | -.120 | | .069 | .102 | .70 | -.057 | -.104 | | .071 | .104 |
| .80 | -.002 | | | .244 | .236 | .80 | .007 | | | .247 | .262 |
| .84 | | | .205 | | | .84 | | | .213 | | |
| .86 | | .129 | | | | .86 | | .120 | | | |
| .90 | | | | .315 | .292 | .90 | | | | .320 | .331 |
| .91 | .067 | | | | | .91 | .073 | | | | |
| .95 | -.002 | .179 | .282 | .311 | .292 | .95 | .019 | .165 | .283 | .311 | .316 |

| (E) ALPHA = 2.85 DEGREES | | | | | | (F) ALPHA = 3.34 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.035 | .103 | .384 | .690 | .744 | 0.00 | -.054 | .058 | .340 | .666 | .733 |
| .05 | -.301 | -.638 | -.952 | -.885 | -.631 | .05 | -.342 | -.717 | -1.073 | -1.040 | -.815 |
| .10 | -.349 | -.533 | -.790 | -.695 | -.482 | .10 | -.382 | -.616 | -.951 | -.866 | -.629 |
| .20 | -.335 | -.474 | -.429 | -.382 | -.362 | .20 | -.362 | -.521 | -.516 | -.394 | -.385 |
| .30 | -.293 | -.422 | -.357 | -.335 | -.317 | .30 | -.308 | -.458 | -.376 | -.359 | -.331 |
| .40 | -.279 | -.316 | -.250 | -.309 | -.315 | .40 | -.304 | -.347 | -.275 | -.327 | -.348 |
| .50 | -.259 | -.267 | -.207 | -.301 | -.310 | .50 | -.283 | -.285 | -.223 | -.314 | -.344 |
| .60 | -.190 | -.150 | -.187 | -.295 | -.317 | .60 | -.201 | -.163 | -.192 | -.310 | -.329 |
| .67 | | | -.129 | | | .67 | | | -.135 | | |
| .70 | -.093 | -.101 | | -.303 | -.330 | .70 | -.108 | -.114 | | -.310 | -.337 |
| .80 | -.007 | | | -.313 | -.353 | .80 | -.013 | | | -.314 | -.348 |
| .84 | | | .044 | | | .84 | | | .035 | | |
| .86 | | -.041 | | | | .86 | | -.044 | | | |
| .90 | | | | -.226 | -.306 | .90 | | | | -.219 | -.296 |
| .91 | .032 | | | | | .91 | .024 | | | | |
| .95 | .010 | -.060 | -.123 | -.100 | -.142 | .95 | .002 | -.058 | -.118 | -.097 | -.130 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .049 | .081 | -.001 | -.129 | -.131 | .05 | .056 | .130 | .055 | -.048 | -.067 |
| .10 | -.011 | -.013 | -.122 | -.226 | -.250 | .10 | .004 | .048 | -.068 | -.160 | -.169 |
| .20 | -.069 | -.125 | -.181 | -.224 | -.224 | .20 | -.062 | -.071 | -.129 | -.192 | -.181 |
| .30 | -.104 | -.103 | -.189 | -.214 | -.205 | .30 | -.080 | -.085 | -.176 | -.194 | -.164 |
| .40 | -.100 | -.146 | -.204 | -.206 | -.177 | .40 | -.080 | -.128 | -.176 | -.188 | -.162 |
| .50 | -.067 | -.174 | -.218 | -.165 | -.136 | .50 | -.054 | -.157 | -.211 | -.150 | -.117 |
| .60 | -.053 | -.158 | -.238 | -.144 | -.058 | .60 | -.046 | -.145 | -.223 | -.129 | -.047 |
| .67 | | | -.126 | | | .67 | | | -.113 | | |
| .70 | -.033 | -.084 | | .085 | .109 | .70 | -.025 | -.079 | | .092 | .116 |
| .80 | .026 | | | .262 | .285 | .80 | .036 | | | .270 | .283 |
| .84 | | | .227 | | | .84 | | | .229 | | |
| .86 | | .142 | | | | .86 | | .143 | | | |
| .90 | | | | .333 | .354 | .90 | | | | .333 | .352 |
| .91 | .087 | | | | | .91 | .087 | | | | |
| .95 | .045 | .179 | .298 | .320 | .331 | .95 | .058 | .180 | .296 | .318 | .333 |

| (G) ALPHA = 3.78 DEGREES | | | | | | (H) ALPHA = 4.78 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.078 | -.015 | .274 | .630 | .721 | 0.00 | -.117 | -.129 | .184 | .563 | .698 |
| .05 | -.373 | -.790 | -1.248 | -1.139 | -.942 | .05 | -.446 | -1.036 | -1.452 | -1.303 | -1.174 |
| .10 | -.424 | -.697 | -1.129 | -1.030 | -.832 | .10 | -.488 | -.864 | -1.371 | -1.222 | -1.079 |
| .20 | -.391 | -.559 | -.632 | -.396 | -.411 | .20 | -.438 | -.657 | -.827 | -.977 | -.460 |
| .30 | -.339 | -.488 | -.410 | -.374 | -.381 | .30 | -.375 | -.601 | -.424 | -.367 | -.379 |
| .40 | -.333 | -.385 | -.295 | -.348 | -.372 | .40 | -.369 | -.431 | -.304 | -.337 | -.383 |
| .50 | -.302 | -.313 | -.241 | -.332 | -.364 | .50 | -.346 | -.350 | -.236 | -.324 | -.381 |
| .60 | -.228 | -.186 | -.212 | -.324 | -.353 | .60 | -.261 | -.202 | -.207 | -.322 | -.357 |
| .67 | | | -.153 | | | .67 | | | -.138 | | |
| .70 | -.131 | -.122 | | -.324 | -.353 | .70 | -.152 | -.126 | | -.314 | -.348 |
| .80 | -.031 | | | -.321 | -.360 | .80 | -.044 | | | -.300 | -.342 |
| .84 | | | .025 | | | .84 | | | .039 | | |
| .86 | | -.052 | | | | .86 | | -.047 | | | |
| .90 | | | | -.224 | -.295 | .90 | | | | -.207 | -.268 |
| .91 | .016 | | | | | .91 | .008 | | | | |
| .95 | -.003 | -.056 | -.128 | -.109 | -.130 | .95 | -.004 | -.039 | -.097 | -.096 | -.111 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .061 | .145 | .097 | -.005 | -.007 | .05 | .089 | .222 | .216 | .117 | .125 |
| .10 | .012 | .083 | -.030 | -.101 | -.124 | .10 | .050 | .153 | .054 | -.019 | -.019 |
| .20 | -.046 | -.025 | -.107 | -.172 | -.150 | .20 | -.006 | .043 | -.032 | -.080 | -.066 |
| .30 | -.068 | -.064 | -.153 | -.174 | -.145 | .30 | -.024 | -.014 | -.098 | -.104 | -.085 |
| .40 | -.072 | -.114 | -.161 | -.174 | -.148 | .40 | -.026 | -.064 | -.129 | -.110 | -.090 |
| .50 | -.044 | -.151 | -.192 | -.151 | -.120 | .50 | -.008 | -.099 | -.145 | -.104 | -.075 |
| .60 | -.042 | -.144 | -.216 | -.124 | -.046 | .60 | -.008 | -.101 | -.179 | -.094 | -.017 |
| .67 | | | -.109 | | | .67 | | | -.088 | | |
| .70 | -.019 | -.074 | | .089 | .104 | .70 | .012 | -.047 | | .105 | .129 |
| .80 | .034 | | | .266 | .275 | .80 | .060 | | | .278 | .297 |
| .84 | | | .226 | | | .84 | | | .242 | | |
| .86 | | .145 | | | | .86 | | .161 | | | |
| .90 | | | | .327 | .334 | .90 | | | | .342 | .357 |
| .91 | .083 | | | | | .91 | .107 | | | | |
| .95 | .065 | .173 | .295 | .314 | .316 | .95 | .087 | .188 | .303 | .323 | .336 |

| (I) ALPHA = 5.84 DEGREES | | | | | | (J) ALPHA = 7.81 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.177 | -.272 | .067 | .497 | .661 | 0.00 | -.308 | -.479 | -.092 | .366 | .580 |
| .05 | -.522 | -1.300 | -1.570 | -1.407 | -1.313 | .05 | -.717 | -1.516 | -1.484 | -.910 | -1.413 |
| .10 | -.543 | -1.073 | -1.502 | -1.325 | -1.272 | .10 | -.694 | -1.505 | -1.378 | -.822 | -1.332 |
| .20 | -.478 | -.750 | -1.232 | -1.045 | -1.150 | .20 | -.574 | -1.133 | -1.186 | -.705 | -.831 |
| .30 | -.417 | -.697 | -.617 | -.545 | -.397 | .30 | -.491 | -.817 | -1.044 | -.604 | -.616 |
| .40 | -.417 | -.520 | -.335 | -.406 | -.352 | .40 | -.485 | -.499 | -.901 | -.538 | -.498 |
| .50 | -.400 | -.398 | -.246 | -.354 | -.358 | .50 | -.475 | -.398 | -.761 | -.477 | -.504 |
| .60 | -.311 | -.220 | -.213 | -.309 | -.334 | .60 | -.373 | -.245 | -.637 | -.395 | -.387 |
| .67 | | | -.146 | | | .67 | | | -.429 | | |
| .70 | -.187 | -.139 | | -.271 | -.328 | .70 | -.253 | -.183 | | -.344 | -.324 |
| .80 | -.079 | | | -.242 | -.317 | .80 | -.139 | | | -.304 | -.286 |
| .84 | | | .036 | | | .84 | | | .026 | | |
| .86 | | -.051 | | | | .86 | | -.057 | | | |
| .90 | | | | -.161 | -.248 | .90 | | | | -.259 | -.234 |
| .91 | -.008 | | | | | .91 | -.038 | | | | |
| .95 | -.018 | -.037 | -.092 | -.093 | -.111 | .95 | -.038 | -.049 | -.173 | -.243 | -.161 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .102 | .281 | .305 | .206 | .213 | .05 | .114 | .346 | .420 | .326 | .305 |
| .10 | .078 | .199 | .147 | .064 | .059 | .10 | .122 | .257 | .257 | .170 | .140 |
| .20 | .027 | .092 | .024 | -.012 | -.011 | .20 | .087 | .144 | .117 | .059 | .052 |
| .30 | .007 | .032 | -.046 | -.052 | -.040 | .30 | .069 | .099 | .027 | -.005 | .005 |
| .40 | .005 | -.026 | -.093 | -.066 | -.052 | .40 | .061 | .037 | -.021 | -.027 | -.035 |
| .50 | .025 | -.070 | -.111 | -.077 | -.055 | .50 | .071 | -.020 | -.071 | -.071 | -.050 |
| .60 | .023 | -.076 | -.153 | -.076 | -.001 | .60 | .059 | -.039 | -.122 | -.097 | -.016 |
| .67 | | | -.068 | | | .67 | | | -.053 | | |
| .70 | .033 | -.030 | | .112 | .136 | .70 | .069 | -.004 | | .073 | .110 |
| .80 | .082 | | | .280 | .301 | .80 | .106 | | | .241 | .283 |
| .84 | | | .248 | | | .84 | | | .239 | | |
| .86 | | .170 | | | | .86 | | .179 | | | |
| .90 | | | | .340 | .360 | .90 | | | | .299 | .339 |
| .91 | .119 | | | | | .91 | .128 | | | | |
| .95 | .100 | .184 | .307 | .319 | .340 | .95 | .108 | .177 | .295 | .262 | .309 |

RUN = 569 POINT = 11

TABLE 120 CONTINUED

RUN = 569 POINT = 12

| (K) ALPHA = 9.68 DEGREES | | | | | | (L) ALPHA = 11.62 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.434 | -.674 | -.306 | .267 | .556 | 0.00 | -.611 | -.898 | -.462 | .127 | .502 |
| .05 | -.914 | -1.578 | -1.281 | -.723 | -.655 | .05 | -1.127 | -1.575 | -1.011 | -.672 | -.438 |
| .10 | -.830 | -1.588 | -1.234 | -.703 | -.585 | .10 | -.969 | -1.563 | -.962 | -.644 | -.409 |
| .20 | -.647 | -1.509 | -1.096 | -.665 | -.504 | .20 | -.714 | -1.381 | -.954 | -.624 | -.399 |
| .30 | -.554 | -1.408 | -1.005 | -.618 | -.472 | .30 | -.621 | -1.248 | -.927 | -.604 | -.377 |
| .40 | -.562 | -1.098 | -.949 | -.566 | -.427 | .40 | -.615 | -1.127 | -.886 | -.592 | -.362 |
| .50 | -.556 | -.429 | -.903 | -.520 | -.431 | .50 | -.524 | -1.079 | -.837 | -.578 | -.351 |
| .60 | -.432 | -.223 | -.855 | -.483 | -.378 | .60 | -.420 | -.923 | -.791 | -.543 | -.349 |
| .67 | | | -.778 | | | .67 | | | -.744 | | |
| .70 | -.326 | -.258 | | -.447 | -.342 | .70 | -.396 | -.742 | | -.515 | -.343 |
| .80 | -.188 | | | -.421 | -.338 | .80 | -.307 | | | -.495 | -.345 |
| .84 | | | .031 | | | .84 | | | .020 | | |
| .86 | | -.113 | | | | .86 | | -.382 | | | |
| .90 | | | | -.405 | -.327 | .90 | | | | -.473 | -.347 |
| .91 | -.066 | | | | | .91 | -.189 | | | | |
| .95 | -.054 | -.130 | -.499 | -.385 | -.316 | .95 | -.173 | -.275 | -.647 | -.455 | -.341 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .114 | .389 | .499 | .411 | .366 | .05 | .095 | .415 | .561 | .499 | .426 |
| .10 | .146 | .314 | .332 | .247 | .189 | .10 | .166 | .349 | .408 | .325 | .260 |
| .20 | .140 | .200 | .192 | .111 | .078 | .20 | .186 | .244 | .252 | .177 | .133 |
| .30 | .126 | .160 | .093 | .035 | .022 | .30 | .176 | .213 | .147 | .086 | .058 |
| .40 | .112 | .088 | .027 | -.005 | -.032 | .40 | .160 | .137 | .076 | .034 | -.008 |
| .50 | .116 | .027 | -.037 | -.067 | -.065 | .50 | .164 | .072 | -.002 | -.046 | -.043 |
| .60 | .102 | -.005 | -.106 | -.114 | -.052 | .60 | .140 | .028 | -.095 | -.099 | -.045 |
| .67 | | | -.053 | | | .67 | | | -.060 | | |
| .70 | .095 | .013 | | .045 | .061 | .70 | .122 | .028 | | .047 | .056 |
| .80 | .126 | | | .214 | .231 | .80 | .134 | | | .209 | .222 |
| .84 | | | .216 | | | .84 | | | .183 | | |
| .86 | | .177 | | | | .86 | | .166 | | | |
| .90 | | | | .267 | .285 | .90 | | | | .260 | .269 |
| .91 | .138 | | | | | .91 | .138 | | | | |
| .95 | .122 | .181 | .241 | .221 | .240 | .95 | .124 | .133 | .197 | .209 | .224 |

RUN = 569 POINT = 13

TABLE 120 CONCLUDED

| | (M) ALPHA = .24 DEGREES | | | | |
|------|-------------------------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .022 | .283 | .574 | .727 | .585 |
| .05 | -.153 | -.242 | -.286 | -.243 | -.093 |
| .10 | -.205 | -.250 | -.344 | -.224 | -.124 |
| .20 | -.227 | -.242 | -.243 | -.194 | -.145 |
| .30 | -.185 | -.252 | -.227 | -.194 | -.171 |
| .40 | -.173 | -.198 | -.157 | -.184 | -.193 |
| .50 | -.159 | -.165 | -.120 | -.198 | -.193 |
| .60 | -.110 | -.090 | -.122 | -.210 | -.225 |
| .67 | | | -.077 | | |
| .70 | -.039 | -.061 | | -.241 | -.259 |
| .80 | .032 | | | -.283 | -.317 |
| .84 | | | .035 | | |
| .86 | | -.020 | | | |
| .90 | | | | -.230 | -.285 |
| .91 | .053 | | | | |
| .95 | .012 | -.073 | -.126 | -.123 | -.128 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.041 | -.206 | -.435 | -.644 | -.879 |
| .10 | -.116 | .117 | -.439 | -.618 | -.767 |
| .20 | -.177 | .188 | -.381 | -.486 | -.399 |
| .30 | -.207 | -.260 | -.364 | -.379 | -.305 |
| .40 | -.193 | -.274 | -.350 | -.332 | -.300 |
| .50 | -.153 | -.291 | -.336 | -.265 | -.225 |
| .60 | -.134 | -.241 | -.318 | -.193 | -.100 |
| .67 | | | -.172 | | |
| .70 | -.100 | -.137 | | .052 | .087 |
| .80 | -.021 | | | .203 | .184 |
| .84 | | | .189 | | |
| .86 | | .106 | | | |
| .90 | | | | .277 | .238 |
| .91 | .051 | | | | |
| .95 | .093 | .156 | .258 | .274 | .236 |

RUN = 568 POINT = 1

TABLE 121

WING PRESSURE COEFFICIENTS

RUN = 568 POINT = 2

| (A) ALPHA = -.84 DEGREES | | | | | | (B) ALPHA = .16 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .024 | .313 | .631 | .745 | .589 | 0.00 | .013 | .286 | .601 | .759 | .653 |
| .05 | -.109 | -.114 | -.109 | -.110 | .014 | .05 | -.163 | -.227 | -.256 | -.277 | -.115 |
| .10 | -.157 | -.146 | -.202 | -.128 | -.043 | .10 | -.210 | -.227 | -.357 | -.237 | -.139 |
| .20 | -.190 | -.179 | -.175 | -.135 | -.091 | .20 | -.229 | -.251 | -.256 | -.215 | -.160 |
| .30 | -.157 | -.200 | -.177 | -.135 | -.110 | .30 | -.197 | -.255 | -.239 | -.194 | -.177 |
| .40 | -.146 | -.155 | -.107 | -.144 | -.158 | .40 | -.193 | -.218 | -.156 | -.185 | -.208 |
| .50 | -.133 | -.132 | -.088 | -.154 | -.158 | .50 | -.186 | -.182 | -.123 | -.192 | -.211 |
| .60 | -.083 | -.060 | -.090 | -.188 | -.191 | .60 | -.119 | -.085 | -.123 | -.235 | -.241 |
| .67 | | | -.049 | | | .67 | | | -.074 | | |
| .70 | -.016 | -.036 | | -.235 | -.268 | .70 | -.042 | -.055 | | -.277 | -.302 |
| .80 | .063 | | | -.273 | -.375 | .80 | .040 | | | -.329 | -.422 |
| .84 | | | .045 | | | .84 | | | .039 | | |
| .86 | | -.026 | | | | .86 | | -.040 | | | |
| .90 | | | | -.197 | -.301 | .90 | | | | -.241 | -.349 |
| .91 | .072 | | | | | .91 | .061 | | | | |
| .95 | .009 | -.085 | -.113 | -.046 | -.088 | .95 | .007 | -.078 | -.127 | -.083 | -.102 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.085 | -.321 | -.660 | -.747 | -.810 | .05 | -.052 | -.190 | -.407 | -.603 | -.711 |
| .10 | -.157 | -.077 | -.580 | -.840 | -.925 | .10 | -.119 | -.120 | -.434 | -.677 | -.829 |
| .20 | -.227 | -.263 | -.540 | -.789 | -.953 | .20 | -.186 | -.236 | -.413 | -.616 | -.809 |
| .30 | -.263 | -.353 | -.539 | -.711 | -.912 | .30 | -.225 | -.281 | -.444 | -.596 | -.767 |
| .40 | -.248 | -.370 | -.546 | -.717 | -.853 | .40 | -.210 | -.323 | -.473 | -.634 | -.690 |
| .50 | -.200 | -.450 | -.604 | -.749 | -.562 | .50 | -.171 | -.389 | -.521 | -.665 | -.095 |
| .60 | -.196 | -.442 | -.678 | -.117 | -.029 | .60 | -.163 | -.372 | -.536 | -.119 | -.030 |
| .67 | | | -.232 | | | .67 | | | -.212 | | |
| .70 | -.187 | -.283 | | .007 | .095 | .70 | -.145 | -.228 | | .093 | .134 |
| .80 | -.107 | | | .064 | .217 | .80 | -.072 | | | .219 | .274 |
| .84 | | | .099 | | | .84 | | | .163 | | |
| .86 | | .049 | | | | .86 | | .081 | | | |
| .90 | | | | .124 | .270 | .90 | | | | .290 | .334 |
| .91 | -.001 | | | | | .91 | .022 | | | | |
| .95 | .050 | .124 | .217 | .215 | .255 | .95 | .046 | .147 | .255 | .298 | .322 |

RUN = 568 POINT = 3

TABLE 121 CONTINUED

RUN = 568 POINT = 4

| (C) ALPHA = 1.08 DEGREES | | | | | | (D) ALPHA = 1.97 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .005 | .252 | .563 | .758 | .694 | 0.00 | -.012 | .201 | .512 | .747 | .732 |
| .05 | -.190 | -.333 | -.423 | -.471 | -.241 | .05 | -.243 | -.451 | -.629 | -.650 | -.474 |
| .10 | -.237 | -.318 | -.503 | -.399 | -.241 | .10 | -.298 | -.440 | -.644 | -.704 | -.368 |
| .20 | -.259 | -.350 | -.437 | -.290 | -.234 | .20 | -.306 | -.432 | -.536 | -.552 | -.316 |
| .30 | -.224 | -.364 | -.265 | -.253 | -.239 | .30 | -.256 | -.432 | -.521 | -.170 | -.296 |
| .40 | -.214 | -.298 | -.176 | -.226 | -.265 | .40 | -.259 | -.357 | -.194 | -.237 | -.304 |
| .50 | -.225 | -.233 | -.153 | -.237 | -.270 | .50 | -.278 | -.292 | -.149 | -.266 | -.308 |
| .60 | -.155 | -.108 | -.146 | -.262 | -.282 | .60 | -.192 | -.126 | -.147 | -.296 | -.349 |
| .67 | | | -.089 | | | .67 | | | -.090 | | |
| .70 | -.070 | -.070 | | -.308 | -.324 | .70 | -.098 | -.073 | | -.349 | -.374 |
| .80 | .027 | | | -.359 | -.435 | .80 | .011 | | | -.389 | -.439 |
| .84 | | | .045 | | | .84 | | | .048 | | |
| .86 | | -.045 | | | | .86 | | -.041 | | | |
| .90 | | | | -.237 | -.343 | .90 | | | | -.218 | -.340 |
| .91 | .053 | | | | | .91 | .046 | | | | |
| .95 | .011 | -.073 | -.131 | -.083 | -.094 | .95 | .009 | -.066 | -.124 | -.075 | -.094 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.012 | -.098 | -.271 | -.444 | -.589 | .05 | .015 | .007 | -.128 | -.293 | -.378 |
| .10 | -.081 | -.106 | -.320 | -.538 | -.696 | .10 | -.049 | -.056 | -.202 | -.396 | -.527 |
| .20 | -.150 | -.195 | -.339 | -.493 | -.628 | .20 | -.122 | -.145 | -.266 | -.391 | -.460 |
| .30 | -.181 | -.210 | -.370 | -.491 | -.575 | .30 | -.152 | -.162 | -.287 | -.402 | -.349 |
| .40 | -.179 | -.254 | -.386 | -.546 | -.372 | .40 | -.138 | -.202 | -.325 | -.469 | -.233 |
| .50 | -.131 | -.319 | -.413 | -.359 | -.157 | .50 | -.103 | -.255 | -.360 | -.175 | -.185 |
| .60 | -.125 | -.296 | -.438 | -.128 | -.065 | .60 | -.098 | -.249 | -.385 | -.154 | -.074 |
| .67 | | | -.195 | | | .67 | | | -.171 | | |
| .70 | -.107 | -.191 | | .097 | .126 | .70 | -.075 | -.155 | | .098 | .122 |
| .80 | -.036 | | | .249 | .274 | .80 | -.008 | | | .258 | .267 |
| .84 | | | .188 | | | .84 | | | .205 | | |
| .86 | | .102 | | | | .86 | | .120 | | | |
| .90 | | | | .320 | .339 | .90 | | | | .325 | .338 |
| .91 | .042 | | | | | .91 | .056 | | | | |
| .95 | .044 | .159 | .275 | .308 | .325 | .95 | .050 | .176 | .289 | .318 | .325 |

RUN = 568 POINT = 5

TABLE 121 CONTINUED

RUN = 568 POINT = 6

| (E) ALPHA = 2.90 DEGREES | | | | | | (F) ALPHA = 3.43 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.042 | .131 | .461 | .736 | .742 | 0.00 | -.060 | .083 | .436 | .720 | .750 |
| .05 | -.313 | -.608 | -.852 | -.750 | -.663 | .05 | -.355 | -.720 | -.958 | -.804 | -.711 |
| .10 | -.363 | -.548 | -.806 | -.824 | -.675 | .10 | -.396 | -.611 | -.924 | -.871 | -.767 |
| .20 | -.341 | -.480 | -.675 | -.775 | -.655 | .20 | -.378 | -.533 | -.777 | -.831 | -.740 |
| .30 | -.304 | -.524 | -.663 | -.681 | -.463 | .30 | -.325 | -.556 | -.719 | -.793 | -.655 |
| .40 | -.302 | -.473 | -.398 | -.150 | -.206 | .40 | -.335 | -.554 | -.563 | -.738 | -.606 |
| .50 | -.333 | -.394 | -.177 | -.177 | -.161 | .50 | -.352 | -.474 | -.227 | -.135 | -.619 |
| .60 | -.265 | -.181 | -.153 | -.248 | -.307 | .60 | -.312 | -.216 | -.166 | -.221 | -.285 |
| .67 | | | -.093 | | | .67 | | | -.104 | | |
| .70 | -.152 | -.093 | | -.310 | -.400 | .70 | -.182 | -.111 | | -.290 | -.344 |
| .80 | -.018 | | | -.392 | -.513 | .80 | -.040 | | | -.355 | -.452 |
| .84 | | | .046 | | | .84 | | | .046 | | |
| .86 | | -.040 | | | | .86 | | -.044 | | | |
| .90 | | | | -.245 | -.324 | .90 | | | | -.250 | -.327 |
| .91 | .031 | | | | | .91 | .017 | | | | |
| .95 | .005 | -.049 | -.111 | -.094 | -.083 | .95 | -.002 | -.043 | -.100 | -.099 | -.094 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .035 | .085 | .005 | -.161 | -.192 | .05 | .049 | .113 | .051 | -.101 | -.129 |
| .10 | -.022 | .006 | -.127 | -.268 | -.365 | .10 | -.006 | .054 | -.073 | -.217 | -.290 |
| .20 | -.089 | -.094 | -.190 | -.299 | -.298 | .20 | -.075 | -.048 | -.155 | -.241 | -.248 |
| .30 | -.107 | -.110 | -.230 | -.306 | -.264 | .30 | -.094 | -.088 | -.202 | -.275 | -.225 |
| .40 | -.107 | -.158 | -.270 | -.390 | -.223 | .40 | -.086 | -.136 | -.230 | -.337 | -.196 |
| .50 | -.072 | -.209 | -.288 | -.187 | -.167 | .50 | -.060 | -.187 | -.266 | -.184 | -.143 |
| .60 | -.070 | -.217 | -.348 | -.146 | -.064 | .60 | -.053 | -.184 | -.328 | -.137 | -.053 |
| .67 | | | -.150 | | | .67 | | | -.144 | | |
| .70 | -.053 | -.130 | | .103 | .122 | .70 | -.036 | -.117 | | .111 | .136 |
| .80 | .012 | | | .272 | .284 | .80 | .023 | | | .282 | .298 |
| .84 | | | .220 | | | .84 | | | .224 | | |
| .86 | | .132 | | | | .86 | | .137 | | | |
| .90 | | | | .337 | .361 | .90 | | | | .348 | .367 |
| .91 | .072 | | | | | .91 | .081 | | | | |
| .95 | .055 | .183 | .300 | .330 | .344 | .95 | .066 | .183 | .300 | .336 | .351 |

RUN = 568 POINT = 7

TABLE 121 CONTINUED

RUN = 568 POINT = 8

| (G) ALPHA = 3.93 DEGREES | | | | | | (H) ALPHA = 4.97 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | .042 | .383 | .699 | .743 | 0.00 | -.119 | -.037 | .298 | .659 | .730 |
| .05 | -.378 | -.807 | -1.029 | -.865 | -.755 | .05 | -.452 | -1.020 | -1.127 | -.950 | -.834 |
| .10 | -.426 | -.709 | -1.020 | -.910 | -.801 | .10 | -.480 | -.920 | -1.162 | -.992 | -.889 |
| .20 | -.408 | -.567 | -.871 | -.883 | -.794 | .20 | -.454 | -.641 | -1.093 | -.974 | -.885 |
| .30 | -.333 | -.577 | -.742 | -.865 | -.779 | .30 | -.357 | -.629 | -.855 | -.965 | -.865 |
| .40 | -.348 | -.596 | -.643 | -.774 | -.738 | .40 | -.378 | -.656 | -.722 | -.932 | -.865 |
| .50 | -.354 | -.531 | -.345 | -.495 | -.723 | .50 | -.398 | -.605 | -.650 | -.881 | -.861 |
| .60 | -.335 | -.292 | | -.192 | -.540 | .60 | -.394 | -.409 | -.277 | -.795 | -.817 |
| .67 | | | -.113 | | | .67 | | | -.152 | | |
| .70 | -.224 | -.138 | | -.255 | -.233 | .70 | -.300 | -.201 | | -.277 | -.757 |
| .80 | -.068 | | | -.321 | -.377 | .80 | -.126 | | | -.253 | -.348 |
| .84 | | | .041 | | | .84 | | | .037 | | |
| .86 | | -.053 | | | | .86 | | -.076 | | | |
| .90 | | | | -.228 | -.312 | .90 | | | | -.167 | -.210 |
| .91 | .003 | | | | | .91 | -.041 | | | | |
| .95 | -.007 | -.043 | -.077 | -.099 | -.105 | .95 | -.043 | -.042 | -.068 | -.078 | -.056 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .149 | .110 | -.050 | -.054 | .05 | .082 | .216 | .199 | .055 | .039 |
| .10 | .013 | .091 | -.021 | -.152 | -.194 | .10 | .038 | .143 | .058 | -.072 | -.102 |
| .20 | -.053 | -.011 | -.125 | -.213 | -.209 | .20 | -.019 | .040 | -.051 | -.139 | -.129 |
| .30 | -.079 | -.056 | -.174 | -.242 | -.185 | .30 | -.033 | -.017 | -.118 | -.176 | -.129 |
| .40 | -.070 | -.108 | -.199 | -.257 | -.172 | .40 | -.041 | -.072 | -.157 | -.194 | -.129 |
| .50 | -.033 | -.170 | -.246 | -.163 | -.125 | .50 | -.011 | -.127 | -.190 | -.143 | -.102 |
| .60 | -.033 | -.170 | -.304 | -.124 | -.030 | .60 | -.011 | -.138 | -.259 | -.107 | -.016 |
| .67 | | | -.128 | | | .67 | | | -.119 | | |
| .70 | -.022 | -.102 | | .118 | .143 | .70 | .001 | -.089 | | .126 | .152 |
| .80 | .033 | | | .285 | .306 | .80 | .053 | | | .297 | .307 |
| .84 | | | .231 | | | .84 | | | .231 | | |
| .86 | | .142 | | | | .86 | | .145 | | | |
| .90 | | | | .353 | .377 | .90 | | | | .363 | .377 |
| .91 | .081 | | | | | .91 | .092 | | | | |
| .95 | .070 | .182 | .307 | .331 | .365 | .95 | .082 | .173 | .304 | .351 | .360 |

RUN = 568 POINT = 9

TABLE 121 CONTINUED

RUN = 568 POINT = 10

| (I) ALPHA = 6.08 DEGREES | | | | | | (J) ALPHA = 8.10 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.167 | -.130 | .230 | .613 | .717 | 0.00 | -.281 | -.298 | .076 | .498 | .686 |
| .05 | -.531 | -1.180 | -1.225 | -1.045 | -.948 | .05 | -.707 | -1.282 | -1.366 | -1.196 | -1.133 |
| .10 | -.570 | -1.117 | -1.263 | -1.082 | -.989 | .10 | -.694 | -1.260 | -1.345 | -1.223 | -1.163 |
| .20 | -.499 | -.719 | -1.214 | -1.067 | -.979 | .20 | -.553 | -1.113 | -1.315 | -1.196 | -1.115 |
| .30 | -.395 | -.679 | -1.151 | -1.047 | -.953 | .30 | -.465 | -.967 | -1.267 | -1.119 | -1.040 |
| .40 | -.406 | -.692 | -.734 | -1.020 | -.943 | .40 | -.463 | -.867 | -1.094 | -1.015 | -.857 |
| .50 | -.432 | -.658 | -.706 | -.969 | -.946 | .50 | -.495 | -.798 | -.855 | -.700 | -.847 |
| .60 | -.432 | -.565 | -.450 | -.942 | -.889 | .60 | -.512 | -.688 | -.677 | -.558 | -.628 |
| .67 | | | -.206 | | | .67 | | | -.519 | | |
| .70 | -.395 | -.284 | | -.520 | -.581 | .70 | -.504 | -.492 | | -.468 | -.377 |
| .80 | -.195 | | | -.314 | -.348 | .80 | -.344 | | | -.401 | -.333 |
| .84 | | | .041 | | | .84 | | | .035 | | |
| .86 | | -.089 | | | | .86 | | -.105 | | | |
| .90 | | | | -.152 | -.233 | .90 | | | | -.357 | -.308 |
| .91 | -.076 | | | | | .91 | -.164 | | | | |
| .95 | -.067 | -.044 | -.044 | -.092 | -.138 | .95 | -.127 | -.057 | -.207 | -.328 | -.270 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .098 | .283 | .284 | .151 | .136 | .05 | .114 | .361 | .409 | .302 | .290 |
| .10 | .074 | .203 | .135 | .015 | -.007 | .10 | .124 | .268 | .251 | .144 | .112 |
| .20 | .026 | .096 | .008 | -.067 | -.066 | .20 | .094 | .148 | .106 | .026 | .015 |
| .30 | .009 | .037 | -.065 | -.109 | -.085 | .30 | .071 | .118 | .026 | -.038 | -.043 |
| .40 | .007 | -.019 | -.120 | -.134 | -.098 | .40 | .070 | .044 | -.040 | -.069 | -.084 |
| .50 | .029 | -.076 | -.154 | -.116 | -.091 | .50 | .088 | -.014 | -.091 | -.104 | -.108 |
| .60 | .027 | -.108 | -.227 | -.102 | -.031 | .60 | .081 | -.052 | -.171 | -.123 | -.062 |
| .67 | | | -.101 | | | .67 | | | -.080 | | |
| .70 | .033 | -.065 | | .122 | .126 | .70 | .075 | -.025 | | .079 | .079 |
| .80 | .074 | | | .289 | .288 | .80 | .101 | | | .256 | .254 |
| .84 | | | .237 | | | .84 | | | .230 | | |
| .86 | | .163 | | | | .86 | | .171 | | | |
| .90 | | | | .355 | .344 | .90 | | | | .315 | .320 |
| .91 | .108 | | | | | .91 | .122 | | | | |
| .95 | .093 | .177 | .305 | .344 | .320 | .95 | .099 | .183 | .286 | .281 | .281 |

RUN = 568 POINT = 11

TABLE 121

CONTINUED

RUN = 568 POINT = 12

| (K) ALPHA = 9.93 DEGREES | | | | | | (L) ALPHA = 11.85 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.403 | -.474 | -.074 | .389 | .614 | 0.00 | -.523 | -.641 | -.264 | .282 | .557 |
| .05 | -.873 | -1.293 | -1.163 | -.804 | -.702 | .05 | -1.071 | -1.289 | -1.167 | -.649 | -.534 |
| .10 | -.873 | -1.301 | -1.134 | -.786 | -.596 | .10 | -1.038 | -1.291 | -1.115 | -.649 | -.506 |
| .20 | -.606 | -1.256 | -1.072 | -.713 | -.500 | .20 | -.645 | -1.293 | -1.007 | -.633 | -.536 |
| .30 | -.517 | -1.250 | -.996 | -.667 | -.444 | .30 | -.512 | -1.366 | -.948 | -.626 | -.489 |
| .40 | -.517 | -1.184 | -.905 | -.621 | -.415 | .40 | -.517 | -1.370 | -.875 | -.620 | -.465 |
| .50 | -.549 | -1.138 | -.797 | -.585 | -.418 | .50 | -.560 | -1.224 | -.818 | -.597 | -.465 |
| .60 | -.558 | -.837 | -.759 | -.548 | -.389 | .60 | -.578 | -.885 | -.792 | -.580 | -.448 |
| .67 | | | -.711 | | | .67 | | | -.771 | | |
| .70 | -.534 | -.622 | | -.510 | -.368 | .70 | -.575 | -.813 | | -.559 | -.424 |
| .80 | -.231 | | | -.488 | -.367 | .80 | -.144 | | | -.535 | -.410 |
| .84 | | | .029 | | | .84 | | | .024 | | |
| .86 | | -.281 | | | | .86 | | -.630 | | | |
| .90 | | | | -.466 | -.358 | .90 | | | | -.515 | -.410 |
| .91 | -.177 | | | | | .91 | -.126 | | | | |
| .95 | -.175 | -.243 | -.605 | -.438 | -.356 | .95 | -.196 | -.500 | -.719 | -.497 | -.402 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .124 | .402 | .502 | .398 | .349 | .05 | .122 | .440 | .570 | .485 | .432 |
| .10 | .154 | .321 | .336 | .234 | .190 | .10 | .181 | .366 | .414 | .320 | .258 |
| .20 | .143 | .203 | .187 | .098 | .064 | .20 | .200 | .256 | .261 | .172 | .128 |
| .30 | .130 | .173 | .085 | .016 | -.004 | .30 | .191 | .227 | .156 | .078 | .056 |
| .40 | .117 | .103 | .019 | -.034 | -.061 | .40 | .179 | .157 | .076 | .022 | -.018 |
| .50 | .130 | .033 | -.056 | -.100 | -.102 | .50 | .183 | .083 | -.009 | -.064 | -.066 |
| .60 | .115 | -.017 | -.155 | -.142 | -.083 | .60 | .161 | .020 | -.120 | -.112 | -.061 |
| .67 | | | -.095 | | | .67 | | | -.076 | | |
| .70 | .100 | -.014 | | .047 | .052 | .70 | .143 | .014 | | .060 | .061 |
| .80 | .121 | | | .228 | .231 | .80 | .150 | | | .231 | .231 |
| .84 | | | .198 | | | .84 | | | .190 | | |
| .86 | | .163 | | | | .86 | | .162 | | | |
| .90 | | | | .286 | .290 | .90 | | | | .292 | .290 |
| .91 | .126 | | | | | .91 | .137 | | | | |
| .95 | .115 | .156 | .236 | .250 | .254 | .95 | .126 | .128 | .228 | .244 | .243 |

RUN = 568 POINT = 13

TABLE 121 CONCLUDED

| X/C | (M) | ALPHA = | .20 DEGREES | | ETA |
|------|-------|---------|-------------|-------|-------|
| | ETA | ETA | ETA | ETA | .7111 |
| | .1902 | .2929 | .3809 | .5556 | |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .013 | .285 | .606 | .758 | .661 |
| .05 | -.154 | -.244 | -.254 | -.267 | -.108 |
| .10 | -.206 | -.239 | -.359 | -.257 | -.137 |
| .20 | -.226 | -.252 | -.249 | -.227 | -.159 |
| .30 | -.196 | -.262 | -.232 | -.201 | -.180 |
| .40 | -.191 | -.222 | -.152 | -.187 | -.211 |
| .50 | -.180 | -.180 | -.127 | -.192 | -.220 |
| .60 | -.117 | -.084 | -.124 | -.236 | -.244 |
| .67 | | | -.072 | | |
| .70 | -.039 | -.053 | | -.277 | -.304 |
| .80 | .039 | | .048 | -.335 | -.428 |
| .84 | | -.035 | | | |
| .86 | | | | -.250 | -.357 |
| .90 | | | | -.089 | -.106 |
| .91 | .061 | -.078 | -.125 | | |
| .95 | .008 | | | | |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.047 | -.182 | -.410 | -.601 | -.714 |
| .10 | -.111 | .131 | -.413 | -.679 | -.838 |
| .20 | -.189 | .209 | -.437 | -.623 | -.812 |
| .30 | -.222 | -.288 | -.438 | -.592 | -.785 |
| .40 | -.209 | -.313 | -.464 | -.630 | -.698 |
| .50 | -.171 | -.381 | -.522 | -.668 | -.104 |
| .60 | -.159 | -.364 | -.549 | -.121 | -.025 |
| .67 | | | -.210 | | |
| .70 | -.139 | -.224 | | .094 | .139 |
| .80 | -.067 | | .162 | .218 | .282 |
| .84 | | .082 | | | |
| .86 | | | | .309 | .342 |
| .90 | | | | | |
| .91 | .019 | .152 | .262 | .312 | .325 |
| .95 | .080 | | | | |

RUN = 567 POINT = 3

TABLE 122

WING PRESSURE COEFFICIENTS

RUN = 567 POINT = 4

| (A) ALPHA = -.88 DEGREES | | | | | | (B) ALPHA = .14 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .014 | .307 | .637 | .749 | .611 | 0.00 | .002 | .277 | .601 | .764 | .663 |
| .05 | -.114 | -.122 | -.109 | -.118 | -.018 | .05 | -.163 | -.243 | -.262 | -.292 | -.132 |
| .10 | -.164 | -.144 | -.206 | -.139 | -.059 | .10 | -.207 | -.245 | -.379 | -.287 | -.158 |
| .20 | -.194 | -.187 | -.178 | -.145 | -.098 | .20 | -.241 | -.278 | -.330 | -.236 | -.187 |
| .30 | -.159 | -.196 | -.176 | -.136 | -.126 | .30 | -.204 | -.313 | -.270 | -.207 | -.199 |
| .40 | -.153 | -.157 | -.108 | -.139 | -.163 | .40 | -.202 | -.247 | -.155 | -.189 | -.235 |
| .50 | -.148 | -.132 | -.091 | -.161 | -.168 | .50 | -.206 | -.193 | -.132 | -.209 | -.237 |
| .60 | -.085 | -.056 | -.095 | -.203 | -.214 | .60 | -.129 | -.085 | -.134 | -.243 | -.259 |
| .67 | | | -.044 | | | .67 | | | -.074 | | |
| .70 | -.016 | -.027 | | -.250 | -.264 | .70 | -.055 | -.053 | | -.302 | -.316 |
| .80 | .057 | | | -.289 | -.392 | .80 | .031 | | | -.385 | -.421 |
| .84 | | | .047 | | | .84 | | | .036 | | |
| .86 | | -.029 | | | | .86 | -.040 | | | | |
| .90 | | | | -.192 | -.335 | .90 | | | | -.218 | -.371 |
| .91 | .068 | | | | | .91 | .054 | | | | |
| .95 | -.005 | -.086 | -.117 | -.045 | -.066 | .95 | -.007 | -.093 | -.146 | -.049 | -.104 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.087 | -.298 | -.624 | -.695 | -.755 | .05 | -.049 | -.194 | -.423 | -.576 | -.673 |
| .10 | -.151 | -.213 | -.557 | -.793 | -.883 | .10 | -.118 | -.211 | -.425 | -.667 | -.785 |
| .20 | -.207 | -.296 | -.532 | -.756 | -.892 | .20 | -.180 | -.255 | -.433 | -.613 | -.785 |
| .30 | -.301 | -.335 | -.508 | -.715 | -.873 | .30 | -.254 | -.287 | -.451 | -.600 | -.775 |
| .40 | -.238 | -.356 | -.539 | -.709 | -.859 | .40 | -.221 | -.317 | -.476 | -.643 | -.745 |
| .50 | -.199 | -.453 | -.628 | -.744 | -.735 | .50 | -.172 | -.392 | -.558 | -.700 | -.642 |
| .60 | -.196 | -.455 | -.695 | -.187 | -.170 | .60 | -.167 | -.399 | -.649 | -.154 | -.061 |
| .67 | | | -.409 | | | .67 | | | -.322 | | |
| .70 | -.201 | -.352 | | -.093 | .020 | .70 | -.163 | -.292 | | -.006 | .099 |
| .80 | -.131 | | | -.032 | .105 | .80 | -.098 | | | .075 | .236 |
| .84 | | | .055 | | | .84 | | | .130 | | |
| .86 | | .022 | | | | .86 | | .056 | | | |
| .90 | | | | .081 | .189 | .90 | | | | .195 | .305 |
| .91 | -.029 | | | | | .91 | -.003 | | | | |
| .95 | .066 | .108 | .221 | .150 | .201 | .95 | .039 | .137 | .255 | .243 | .298 |

RUN = 567 POINT = 5

TABLE 122 CONTINUED

RUN = 567 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.92 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.010 | .235 | .560 | .758 | .704 | 0.00 | -.016 | .208 | .530 | .757 | .734 |
| .05 | -.214 | -.349 | -.436 | -.523 | -.277 | .05 | -.258 | -.422 | -.590 | -.609 | -.481 |
| .10 | -.271 | -.342 | -.521 | -.516 | -.272 | .10 | -.304 | -.427 | -.617 | -.666 | -.491 |
| .20 | -.290 | -.368 | -.457 | -.308 | -.265 | .20 | -.317 | -.416 | -.546 | -.576 | -.355 |
| .30 | -.249 | -.379 | -.442 | -.244 | -.260 | .30 | -.276 | -.443 | -.566 | -.501 | -.162 |
| .40 | -.249 | -.302 | -.176 | -.230 | -.286 | .40 | -.267 | -.413 | -.296 | -.098 | -.269 |
| .50 | -.256 | -.253 | -.144 | -.251 | -.287 | .50 | -.289 | -.341 | -.143 | -.170 | -.277 |
| .60 | -.184 | -.113 | -.149 | -.280 | -.313 | .60 | -.223 | -.139 | -.128 | -.242 | -.333 |
| .67 | | | -.091 | | | .67 | | | -.068 | | |
| .70 | -.090 | -.072 | | -.337 | -.363 | .70 | -.112 | -.068 | | -.319 | -.398 |
| .80 | .015 | | | -.427 | -.476 | .80 | .003 | | | -.430 | -.508 |
| .84 | | | .036 | | | .84 | | | .054 | | |
| .86 | | -.051 | | | | .86 | | -.035 | | | |
| .90 | | | | -.215 | -.371 | .90 | | | | -.233 | -.283 |
| .91 | .043 | | | | | .91 | .046 | | | | |
| .95 | -.005 | -.085 | -.144 | -.058 | -.099 | .95 | .009 | -.057 | -.120 | -.066 | -.072 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.027 | -.097 | -.260 | -.445 | -.559 | .05 | .009 | -.009 | -.124 | -.290 | -.367 |
| .10 | -.090 | -.157 | -.320 | -.536 | -.666 | .10 | -.049 | -.085 | -.217 | -.405 | -.491 |
| .20 | -.156 | -.212 | -.344 | -.514 | -.667 | .20 | -.119 | -.158 | -.260 | -.397 | -.510 |
| .30 | -.203 | -.223 | -.394 | -.516 | -.621 | .30 | -.153 | -.156 | -.308 | -.424 | -.474 |
| .40 | -.192 | -.257 | -.422 | -.570 | -.595 | .40 | -.145 | -.204 | -.331 | -.492 | -.401 |
| .50 | -.147 | -.345 | -.480 | -.642 | -.294 | .50 | -.103 | -.281 | -.372 | -.525 | -.196 |
| .60 | -.142 | -.340 | -.550 | -.125 | -.050 | .60 | -.099 | -.270 | -.464 | -.104 | -.064 |
| .67 | | | -.246 | | | .67 | | | -.202 | | |
| .70 | -.131 | -.242 | | .079 | .120 | .70 | -.086 | -.180 | | .111 | .130 |
| .80 | -.066 | | | .201 | .264 | .80 | -.018 | | | .252 | .277 |
| .84 | | | .156 | | | .84 | | | .197 | | |
| .86 | | .078 | | | | .86 | | .111 | | | |
| .90 | | | | .264 | .349 | .90 | | | | .311 | .345 |
| .91 | .022 | | | | | .91 | .051 | | | | |
| .95 | .033 | .149 | .261 | .265 | .335 | .95 | .049 | .180 | .291 | .306 | .333 |

| (E) ALPHA = 2.89 DEGREES | | | | | | (F) ALPHA = 3.40 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.037 | .149 | .463 | .742 | .740 | 0.00 | -.053 | .104 | .436 | .731 | .753 |
| .05 | -.310 | -.602 | -.819 | -.696 | -.598 | .05 | -.347 | -.662 | -.891 | -.747 | -.649 |
| .10 | -.356 | -.543 | -.782 | -.773 | -.640 | .10 | -.381 | -.611 | -.891 | -.817 | -.685 |
| .20 | -.369 | -.471 | -.674 | -.736 | -.639 | .20 | -.389 | -.512 | -.755 | -.799 | -.693 |
| .30 | -.282 | -.495 | -.654 | -.721 | -.620 | .30 | -.295 | -.512 | -.676 | -.784 | -.681 |
| .40 | -.308 | -.503 | -.536 | -.632 | -.552 | .40 | -.325 | -.533 | -.587 | -.750 | -.683 |
| .50 | -.314 | -.449 | -.315 | -.185 | -.547 | .50 | -.336 | -.492 | -.480 | -.695 | -.688 |
| .60 | -.284 | -.225 | -.171 | -.183 | -.378 | .60 | -.315 | -.286 | -.232 | -.160 | -.639 |
| .67 | | | -.089 | | | .67 | | | -.111 | | |
| .70 | -.174 | -.104 | | -.267 | -.307 | .70 | -.218 | -.132 | | -.253 | -.184 |
| .80 | -.031 | | | -.371 | -.435 | .80 | -.054 | | | -.345 | -.327 |
| .84 | | | .051 | | | .84 | | | .047 | | |
| .86 | | -.037 | | | | .86 | | -.051 | | | |
| .90 | | | | -.242 | -.371 | .90 | | | | -.226 | -.329 |
| .91 | .025 | | | | | .91 | .005 | | | | |
| .95 | .003 | -.044 | -.104 | -.085 | -.086 | .95 | -.010 | -.044 | -.090 | -.077 | -.111 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .039 | .078 | .007 | -.170 | -.213 | .05 | .051 | .114 | .051 | -.115 | -.142 |
| .10 | -.016 | -.020 | -.108 | -.279 | -.376 | .10 | -.005 | .035 | -.068 | -.221 | -.313 |
| .20 | -.079 | -.110 | -.183 | -.313 | -.378 | .20 | -.053 | -.062 | -.156 | -.280 | -.286 |
| .30 | -.114 | -.113 | -.240 | -.337 | -.278 | .30 | -.097 | -.085 | -.206 | -.303 | -.242 |
| .40 | -.106 | -.156 | -.278 | -.424 | -.210 | .40 | -.084 | -.132 | -.244 | -.377 | -.208 |
| .50 | -.064 | -.214 | -.326 | -.152 | -.157 | .50 | -.049 | -.191 | -.289 | -.129 | -.144 |
| .60 | -.060 | -.229 | -.394 | -.117 | -.056 | .60 | -.047 | -.212 | -.357 | -.122 | -.040 |
| .67 | | | -.172 | | | .67 | | | -.169 | | |
| .70 | -.055 | -.151 | | .123 | .134 | .70 | -.038 | -.133 | | .127 | .145 |
| .80 | .008 | | | .280 | .295 | .80 | .018 | | | .289 | .309 |
| .84 | | | .219 | | | .84 | | | .219 | | |
| .86 | | .133 | | | | .86 | | .134 | | | |
| .90 | | | | .342 | .368 | .90 | | | | .348 | .384 |
| .91 | .071 | | | | | .91 | .075 | | | | |
| .95 | .061 | .184 | .300 | .337 | .348 | .95 | .066 | .181 | .301 | .345 | .374 |

RUN = 567 POINT = 9

TABLE 122 CONTINUED

RUN = 567 POINT = 10

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.92 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.073 | .063 | .406 | .717 | .745 | 0.00 | -.112 | -.017 | .342 | .683 | .738 |
| .05 | -.381 | -.770 | -.959 | -.795 | -.685 | .05 | -.448 | -.994 | -1.037 | -.871 | -.771 |
| .10 | -.440 | -.682 | -.969 | -.850 | -.732 | .10 | -.490 | -.917 | -1.077 | -.938 | -.827 |
| .20 | -.405 | -.556 | -.861 | -.832 | -.739 | .20 | -.449 | -.602 | -1.026 | -.927 | -.815 |
| .30 | -.317 | -.552 | -.700 | -.831 | -.730 | .30 | -.354 | -.599 | -.889 | -.911 | -.812 |
| .40 | -.339 | -.579 | -.638 | -.807 | -.727 | .40 | -.363 | -.616 | -.669 | -.899 | -.807 |
| .50 | -.347 | -.530 | -.554 | -.736 | -.725 | .50 | -.384 | -.569 | -.632 | -.893 | -.805 |
| .60 | -.343 | -.369 | -.302 | -.693 | -.734 | .60 | -.376 | -.497 | -.542 | -.843 | -.817 |
| .67 | | | -.145 | | | .67 | | | -.213 | | |
| .70 | -.270 | -.177 | | -.223 | -.663 | .70 | -.334 | -.254 | | -.777 | -.778 |
| .80 | -.101 | | | -.311 | -.419 | .80 | -.155 | | | -.304 | -.668 |
| .84 | | | .044 | | | .84 | | | .045 | | |
| .86 | | -.068 | | | | .86 | | -.091 | | | |
| .90 | | | | -.214 | -.283 | .90 | | | | -.153 | -.424 |
| .91 | -.011 | | | | | .91 | -.050 | | | | |
| .95 | -.022 | -.040 | -.074 | -.079 | -.112 | .95 | -.054 | -.048 | -.063 | -.062 | -.163 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .063 | .149 | .109 | -.058 | -.086 | .05 | .086 | .224 | .199 | .035 | .020 |
| .10 | .012 | .080 | -.024 | -.180 | -.227 | .10 | .040 | .139 | .049 | -.089 | -.102 |
| .20 | -.055 | -.018 | -.120 | -.239 | -.234 | .20 | .004 | .037 | -.053 | -.155 | -.163 |
| .30 | -.055 | -.061 | -.178 | -.255 | -.219 | .30 | -.037 | -.006 | -.127 | -.200 | -.157 |
| .40 | -.071 | -.117 | -.228 | -.350 | -.183 | .40 | -.030 | -.067 | -.186 | -.270 | -.143 |
| .50 | -.033 | -.179 | -.251 | -.142 | -.125 | .50 | 0.000 | -.126 | -.218 | -.150 | -.111 |
| .60 | -.031 | -.201 | -.332 | -.125 | -.029 | .60 | -.006 | -.146 | -.325 | -.116 | -.033 |
| .67 | | | -.155 | | | .67 | | | -.137 | | |
| .70 | -.025 | -.123 | | .121 | .155 | .70 | -.001 | -.100 | | .121 | .135 |
| .80 | .025 | | | .288 | .315 | .80 | .050 | | | .292 | .300 |
| .84 | | | .222 | | | .84 | | | .223 | | |
| .86 | | .134 | | | | .86 | | .141 | | | |
| .90 | | | | .358 | .390 | .90 | | | | .365 | .360 |
| .91 | .078 | | | | | .91 | .088 | | | | |
| .95 | .069 | .181 | .299 | .349 | .385 | .95 | .075 | .174 | .294 | .349 | .349 |

| (I) ALPHA = 6.06 DEGREES | | | | | | (J) ALPHA = 8.10 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.162 | -.102 | .265 | .636 | .725 | 0.00 | -.278 | -.269 | .099 | .523 | .676 |
| .05 | -.536 | -1.139 | -1.152 | -.970 | -.867 | .05 | -.711 | -1.259 | -1.307 | -1.123 | -1.022 |
| .10 | -.547 | -1.078 | -1.191 | -1.016 | -.918 | .10 | -.715 | -1.221 | -1.306 | -1.156 | -1.058 |
| .20 | -.471 | -.692 | -1.149 | -1.007 | -.906 | .20 | -.541 | -1.069 | -1.264 | -1.130 | -1.050 |
| .30 | -.392 | -.662 | -1.087 | -1.000 | -.892 | .30 | -.459 | -.973 | -1.224 | -1.103 | -1.005 |
| .40 | -.389 | -.654 | -.822 | -.973 | -.892 | .40 | -.455 | -.855 | -1.108 | -1.054 | -.960 |
| .50 | -.418 | -.630 | -.673 | -.971 | -.894 | .50 | -.489 | -.792 | -.925 | -.970 | -.962 |
| .60 | -.412 | -.578 | -.660 | -.921 | -.862 | .60 | -.495 | -.695 | -.769 | -.651 | -.636 |
| .67 | | | -.302 | | | .67 | | | -.600 | | |
| .70 | -.389 | -.367 | | -.849 | -.688 | .70 | -.491 | -.586 | | -.524 | -.424 |
| .80 | -.234 | | | -.496 | -.439 | .80 | -.368 | | | -.433 | -.366 |
| .84 | | | .045 | | | .84 | | | .021 | | |
| .86 | | -.129 | | | | .86 | | -.194 | | | |
| .90 | | | | -.290 | -.361 | .90 | | | | -.380 | -.342 |
| .91 | -.114 | | | | | .91 | -.209 | | | | |
| .95 | -.107 | -.065 | -.062 | -.155 | -.233 | .95 | -.196 | -.120 | -.250 | -.347 | -.321 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .282 | .287 | .139 | .109 | .05 | .116 | .350 | .408 | .281 | .244 |
| .10 | .076 | .198 | .126 | .001 | -.026 | .10 | .114 | .373 | .236 | .121 | .083 |
| .20 | .022 | .086 | .003 | -.087 | -.096 | .20 | .084 | .312 | .100 | .009 | -.014 |
| .30 | .006 | .036 | -.071 | -.134 | -.118 | .30 | .064 | .101 | .009 | -.063 | -.058 |
| .40 | .008 | -.021 | -.137 | -.166 | -.124 | .40 | .062 | .037 | -.056 | -.101 | -.105 |
| .50 | .030 | -.084 | -.175 | -.137 | -.121 | .50 | .080 | -.033 | -.114 | -.128 | -.129 |
| .60 | .026 | -.114 | -.277 | -.121 | -.057 | .60 | .069 | -.071 | -.220 | -.146 | -.091 |
| .67 | | | -.114 | | | .67 | | | -.114 | | |
| .70 | .022 | -.076 | | .114 | .098 | .70 | .060 | -.052 | | .061 | .057 |
| .80 | .067 | | | .283 | .266 | .80 | .088 | | | .237 | .234 |
| .84 | | | .234 | | | .84 | | | .220 | | |
| .86 | | .146 | | | | .86 | | .153 | | | |
| .90 | | | | .342 | .324 | .90 | | | | .301 | .296 |
| .91 | .098 | | | | | .91 | .105 | | | | |
| .95 | .160 | .172 | .300 | .327 | .292 | .95 | .222 | .156 | .270 | .273 | .258 |

RUN = 567 POINT = 18

TABLE 122 CONCLUDED

RUN = 567 POINT = 19

| (K) ALPHA = 11.92 DEGREES | | | | | | (L) ALPHA = .19 DEGREES | | | | | |
|---------------------------|--------|--------|--------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.515 | -.617 | -.233 | .294 | .559 | 0.00 | .014 | .285 | .604 | .764 | .687 |
| .05 | -1.103 | -1.246 | -1.271 | -.634 | -.601 | .05 | -.152 | -.227 | -.251 | -.295 | -.126 |
| .10 | -1.096 | -1.252 | -1.250 | -.633 | -.560 | .10 | -.205 | -.236 | -.372 | -.272 | -.161 |
| .20 | -.686 | -1.248 | -1.111 | -.633 | -.536 | .20 | -.234 | -.276 | -.320 | -.229 | -.168 |
| .30 | -.495 | -1.332 | -1.033 | -.624 | -.532 | .30 | -.199 | -.295 | -.247 | -.202 | -.194 |
| .40 | -.508 | -1.344 | -.930 | -.609 | -.518 | .40 | -.183 | -.234 | -.141 | -.179 | -.227 |
| .50 | -.543 | -1.344 | -.842 | -.591 | -.515 | .50 | -.194 | -.180 | -.120 | -.193 | -.227 |
| .60 | -.571 | -1.267 | -.810 | -.571 | -.488 | .60 | -.124 | -.083 | -.119 | -.227 | -.269 |
| .67 | | | -.789 | | | .67 | | | -.063 | | |
| .70 | -.574 | -.844 | | -.551 | -.452 | .70 | -.038 | -.044 | | -.288 | -.314 |
| .80 | -.330 | | | -.538 | -.453 | .80 | .043 | | | -.377 | -.435 |
| .84 | | | .025 | | | .84 | | | .050 | | |
| .86 | | -.506 | | | | .86 | | -.031 | | | |
| .90 | | | | -.522 | -.440 | .90 | | | | -.211 | -.346 |
| .91 | -.068 | | | | | .91 | .063 | | | | |
| .95 | -.103 | -.485 | -.749 | -.513 | -.422 | .95 | .003 | -.079 | -.130 | -.039 | -.081 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .128 | .446 | .574 | .496 | .436 | .05 | -.040 | -.180 | -.397 | -.538 | -.661 |
| .10 | .181 | .400 | .416 | .322 | .265 | .10 | -.106 | .156 | -.413 | -.629 | -.797 |
| .20 | .198 | .334 | .266 | .174 | .130 | .20 | -.183 | .275 | -.407 | -.600 | -.788 |
| .30 | .192 | .238 | .162 | .079 | .056 | .30 | -.243 | -.271 | -.424 | -.574 | -.769 |
| .40 | .179 | .156 | .075 | .015 | -.020 | .40 | -.209 | -.306 | -.461 | -.613 | -.734 |
| .50 | .187 | .092 | -.009 | -.060 | -.068 | .50 | -.155 | -.373 | -.527 | -.675 | -.625 |
| .60 | .166 | .033 | -.120 | -.117 | -.063 | .60 | -.155 | -.379 | -.622 | -.152 | -.042 |
| .67 | | | -.072 | | | .67 | | | -.307 | | |
| .70 | .142 | .017 | | .058 | .056 | .70 | -.144 | -.277 | | -.002 | .112 |
| .80 | .152 | | | .232 | .229 | .80 | -.078 | | | .106 | .258 |
| .84 | | | .200 | | | .84 | | | .140 | | |
| .86 | | .172 | | | | .86 | | .070 | | | |
| .90 | | | | .292 | .284 | .90 | | | | .249 | .333 |
| .91 | .144 | | | | | .91 | .007 | | | | |
| .95 | .200 | .141 | .239 | .253 | .244 | .95 | .135 | .145 | .262 | .284 | .312 |

RUN = 601 POINT = 14

TABLE 123

WING PRESSURE COEFFICIENTS

RUN = 601 POINT = 15

| (A) ALPHA = -.69 DEGREES | | | | | | (B) ALPHA = .30 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .035 | .293 | .579 | .718 | .552 | 0.00 | .025 | .273 | .551 | .743 | .653 |
| .05 | -.095 | -.157 | -.198 | -.207 | -.052 | .05 | -.135 | -.285 | -.370 | -.382 | -.219 |
| .10 | -.147 | -.165 | -.366 | -.203 | -.091 | .10 | -.194 | -.273 | -.494 | -.336 | -.198 |
| .20 | -.165 | -.215 | -.234 | -.194 | -.128 | .20 | -.210 | -.307 | -.333 | -.295 | -.215 |
| .30 | -.127 | -.261 | -.261 | -.207 | -.149 | .30 | -.162 | -.327 | -.329 | -.267 | -.225 |
| .40 | -.143 | -.240 | -.219 | -.209 | -.179 | .40 | -.180 | -.292 | -.259 | -.246 | -.226 |
| .50 | -.169 | -.542 | -.209 | -.209 | -.169 | .50 | -.204 | -.441 | -.249 | -.261 | -.230 |
| .60 | -.171 | -.204 | -.246 | -.235 | -.197 | .60 | -.206 | -.241 | -.270 | -.273 | -.238 |
| .67 | | | -.240 | | | .67 | | | -.270 | | |
| .70 | -.163 | -.224 | | -.257 | -.248 | .70 | -.194 | -.253 | | -.295 | -.288 |
| .80 | -.173 | | | -.288 | -.304 | .80 | -.202 | | | -.317 | -.337 |
| .84 | | | .086 | | | .84 | | | .096 | | |
| .86 | | -.130 | | | | .86 | | -.147 | | | |
| .90 | | | | -.225 | -.283 | .90 | | | | -.254 | -.301 |
| .91 | -.211 | | | | | .91 | -.190 | | | | |
| .95 | -.163 | -.092 | .135 | -.107 | -.125 | .95 | -.107 | -.092 | .164 | -.129 | -.133 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.062 | -.293 | -.564 | -.777 | -.971 | .05 | -.039 | -.164 | -.352 | -.546 | -.608 |
| .10 | -.153 | -.228 | -.501 | -.673 | -.850 | .10 | -.103 | -.200 | -.372 | -.497 | -.593 |
| .20 | -.195 | -.114 | -.418 | -.465 | -.393 | .20 | -.144 | -.141 | -.332 | -.382 | -.369 |
| .30 | -.223 | -.285 | -.345 | -.353 | -.326 | .30 | -.186 | -.219 | -.293 | -.313 | -.268 |
| .40 | -.211 | -.271 | -.296 | -.323 | -.298 | .40 | -.184 | -.223 | -.259 | -.259 | -.260 |
| .50 | -.163 | -.240 | -.259 | -.241 | -.227 | .50 | -.137 | -.217 | -.226 | -.208 | -.202 |
| .60 | -.131 | -.167 | -.190 | -.175 | -.095 | .60 | -.103 | -.135 | -.169 | -.161 | -.086 |
| .67 | | | -.034 | | | .67 | | | -.029 | | |
| .70 | -.064 | -.008 | | .055 | .081 | .70 | -.043 | .005 | | .062 | .096 |
| .80 | .056 | | | .180 | .180 | .80 | .069 | | | .220 | .223 |
| .84 | | | .234 | | | .84 | | | .266 | | |
| .86 | | .188 | | | | .86 | | .204 | | | |
| .90 | | | | .246 | .227 | .90 | | | | .304 | .274 |
| .91 | .142 | | | | | .91 | .154 | | | | |
| .95 | .058 | .198 | .278 | .246 | .229 | .95 | .092 | .202 | .315 | .302 | .276 |

RUN = 601 POINT = 16

TABLE 123 CONTINUED

RUN = 601 POINT = 17

| (C) ALPHA = 1.17 DEGREES | | | | | | (D) ALPHA = 2.01 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .010 | .222 | .489 | .731 | .703 | 0.00 | -.001 | .177 | .429 | .713 | .733 |
| .05 | -.189 | -.375 | -.505 | -.569 | -.368 | .05 | -.223 | -.491 | -.716 | -.797 | -.560 |
| .10 | -.235 | -.363 | -.589 | -.470 | -.338 | .10 | -.281 | -.437 | -.780 | -.659 | -.455 |
| .20 | -.242 | -.353 | -.399 | -.373 | -.285 | .20 | -.273 | -.410 | -.500 | -.400 | -.360 |
| .30 | -.195 | -.381 | -.369 | -.304 | -.276 | .30 | -.223 | -.443 | -.417 | -.349 | -.326 |
| .40 | -.219 | -.342 | -.307 | -.294 | -.269 | .40 | -.235 | -.382 | -.337 | -.345 | -.305 |
| .50 | -.233 | -.399 | -.281 | -.300 | -.272 | .50 | -.267 | -.392 | -.315 | -.341 | -.307 |
| .60 | -.231 | -.267 | -.305 | -.306 | -.280 | .60 | -.261 | -.291 | -.325 | -.335 | -.318 |
| .67 | | | -.287 | | | .67 | | | -.301 | | |
| .70 | -.221 | -.273 | | -.318 | -.314 | .70 | -.241 | -.293 | | -.333 | -.339 |
| .80 | -.217 | | | -.336 | -.357 | .80 | -.233 | | | -.339 | -.369 |
| .84 | | | .104 | | | .84 | | | .111 | | |
| .86 | | -.157 | | | | .86 | | -.167 | | | |
| .90 | | | | -.261 | -.323 | .90 | | | | -.240 | -.320 |
| .91 | -.189 | | | | | .91 | -.191 | | | | |
| .95 | -.098 | -.087 | .167 | -.126 | -.149 | .95 | -.108 | -.081 | .178 | -.108 | -.150 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .002 | -.063 | -.201 | -.337 | -.370 | .05 | .026 | .010 | -.059 | -.203 | -.188 |
| .10 | -.070 | -.134 | -.263 | -.347 | -.416 | .10 | -.034 | -.067 | -.160 | -.229 | -.292 |
| .20 | -.118 | -.134 | -.241 | -.302 | -.325 | .20 | -.072 | -.112 | -.193 | -.223 | -.234 |
| .30 | -.161 | -.173 | -.233 | -.268 | -.244 | .30 | -.118 | -.128 | -.189 | -.199 | -.201 |
| .40 | -.147 | -.179 | -.219 | -.233 | -.222 | .40 | -.116 | -.144 | -.181 | -.189 | -.178 |
| .50 | -.102 | -.185 | -.197 | -.186 | -.171 | .50 | -.080 | -.148 | -.160 | -.152 | -.143 |
| .60 | -.084 | -.114 | -.152 | -.141 | -.068 | .60 | -.054 | -.089 | -.132 | -.121 | -.055 |
| .67 | | | -.016 | | | .67 | | | -.006 | | |
| .70 | -.025 | .014 | | .075 | .105 | .70 | -.003 | .028 | | .088 | .116 |
| .80 | .085 | | | .245 | .252 | .80 | .105 | | | .257 | .284 |
| .84 | | | .283 | | | .84 | | | .290 | | |
| .86 | | .218 | | | | .86 | | .225 | | | |
| .90 | | | | .312 | .318 | .90 | | | | .321 | .353 |
| .91 | .159 | | | | | .91 | .173 | | | | |
| .95 | .119 | .208 | .322 | .312 | .310 | .95 | .139 | .211 | .326 | .312 | .334 |

RUN = 601 POINT = 18

TABLE 123 CONTINUED

RUN = 601 POINT = 19

| (E) ALPHA = 2.94 DEGREES | | | | | | (F) ALPHA = 3.40 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.041 | .087 | .348 | .661 | .727 | 0.00 | -.056 | .036 | .294 | .625 | .722 |
| .05 | -.288 | -.651 | -1.000 | -1.076 | -.891 | .05 | -.320 | -.700 | -1.187 | -1.182 | -1.031 |
| .10 | -.323 | -.540 | -.915 | -.958 | -.652 | .10 | -.352 | -.604 | -1.046 | -1.069 | -.876 |
| .20 | -.307 | -.498 | -.658 | -.450 | -.392 | .20 | -.328 | -.539 | -.745 | -.481 | -.393 |
| .30 | -.262 | -.487 | -.469 | -.381 | -.360 | .30 | -.275 | -.533 | -.484 | -.370 | -.384 |
| .40 | -.268 | -.471 | -.371 | -.385 | -.344 | .40 | -.289 | -.494 | -.380 | -.384 | -.371 |
| .50 | -.305 | -.428 | -.342 | -.371 | -.347 | .50 | -.326 | -.449 | -.356 | -.378 | -.374 |
| .60 | -.305 | -.308 | -.344 | -.353 | -.370 | .60 | -.318 | -.323 | -.354 | -.368 | -.387 |
| .67 | | | -.322 | | | .67 | | | -.325 | | |
| .70 | -.278 | -.310 | | -.350 | -.351 | .70 | -.295 | -.317 | | -.359 | -.361 |
| .80 | -.254 | | | -.340 | -.362 | .80 | -.257 | | | -.345 | -.363 |
| .84 | | | .112 | | | .84 | | | .117 | | |
| .86 | | -.182 | | | | .86 | | -.199 | | | |
| .90 | | | | -.229 | -.319 | .90 | | | | -.227 | -.283 |
| .91 | -.204 | | | | | .91 | -.213 | | | | |
| .95 | -.105 | -.076 | .181 | -.106 | -.131 | .95 | -.110 | -.075 | .181 | -.105 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .047 | .100 | .041 | -.072 | -.062 | .05 | .060 | .134 | .103 | -.010 | .018 |
| .10 | .003 | .002 | -.064 | -.137 | -.159 | .10 | .010 | .052 | -.032 | -.085 | -.098 |
| .20 | -.049 | -.072 | -.123 | -.149 | -.163 | .20 | -.021 | -.034 | -.089 | -.114 | -.134 |
| .30 | -.095 | -.074 | -.145 | -.153 | -.151 | .30 | -.072 | -.059 | -.116 | -.130 | -.117 |
| .40 | -.087 | -.102 | -.135 | -.157 | -.148 | .40 | -.070 | -.087 | -.116 | -.136 | -.126 |
| .50 | -.049 | -.117 | -.129 | -.125 | -.120 | .50 | -.039 | -.099 | -.110 | -.110 | -.100 |
| .60 | -.034 | -.072 | -.111 | -.108 | -.041 | .60 | -.019 | -.063 | -.103 | -.094 | -.031 |
| .67 | | | .010 | | | .67 | | | .018 | | |
| .70 | .013 | .039 | | .096 | .120 | .70 | .020 | .046 | | .097 | .125 |
| .80 | .118 | | | .260 | .288 | .80 | .127 | | | .268 | .291 |
| .84 | | | .295 | | | .84 | | | .296 | | |
| .86 | | .230 | | | | .86 | | .237 | | | |
| .90 | | | | .327 | .353 | .90 | | | | .334 | .354 |
| .91 | .184 | | | | | .91 | .191 | | | | |
| .95 | .158 | .214 | .326 | .318 | .337 | .95 | .167 | .211 | .325 | .321 | .330 |

RUN = 601 POINT = 20

TABLE 123

CONTINUED

RUN = 601 POINT = 21

(G) ALPHA = 3.91 DEGREES

(H) ALPHA = 4.88 DEGREES

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.88 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | |
| 0.00 | -.067 | -.014 | .230 | .602 | .710 | 0.00 | -.121 | -.134 | .157 | .514 | .675 |
| .05 | -.343 | -.790 | -1.294 | -1.228 | -1.127 | .05 | -.417 | -1.026 | -1.454 | -1.354 | -1.257 |
| .10 | -.385 | -.681 | -1.222 | -1.246 | -1.024 | .10 | -.444 | -.798 | -1.399 | -1.376 | -1.256 |
| .20 | -.355 | -.599 | -.792 | -1.058 | -.405 | .20 | -.395 | -.707 | -.961 | -1.261 | -1.136 |
| .30 | -.298 | -.605 | -.660 | -.324 | -.381 | .30 | -.327 | -.686 | -.870 | -.928 | -.424 |
| .40 | -.319 | -.536 | -.395 | -.359 | -.377 | .40 | -.343 | -.636 | -.424 | -.330 | -.320 |
| .50 | -.351 | -.481 | -.355 | -.365 | -.379 | .50 | -.383 | -.550 | -.355 | -.320 | -.314 |
| .60 | -.353 | -.340 | -.357 | -.367 | -.390 | .60 | -.401 | -.375 | -.353 | -.336 | -.359 |
| .67 | | | -.324 | | | .67 | | | -.314 | | |
| .70 | -.319 | -.322 | | -.357 | -.364 | .70 | -.377 | -.330 | | -.340 | -.363 |
| .80 | -.274 | | | -.344 | -.360 | .80 | -.309 | | | -.328 | -.357 |
| .84 | | | .116 | | | .84 | | | .120 | | |
| .86 | | -.210 | | | | .86 | | -.223 | | | |
| .90 | | | | -.237 | -.295 | .90 | | | | -.228 | -.292 |
| .91 | -.222 | | | | | .91 | -.242 | | | | |
| .95 | -.117 | -.070 | .190 | -.113 | -.120 | .95 | -.119 | -.066 | .201 | -.114 | -.131 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | |
| .05 | .073 | .177 | .167 | .051 | .079 | .05 | .085 | .220 | .245 | .145 | .174 |
| .10 | .033 | .102 | .021 | -.037 | -.053 | .10 | .055 | .148 | .096 | .045 | .028 |
| .20 | -.026 | .011 | -.056 | -.082 | -.084 | .20 | .022 | .059 | .005 | -.025 | -.031 |
| .30 | -.059 | -.029 | -.098 | -.102 | -.101 | .30 | -.021 | .016 | -.053 | -.053 | -.047 |
| .40 | -.047 | -.062 | -.109 | -.115 | -.103 | .40 | -.019 | -.021 | -.072 | -.082 | -.066 |
| .50 | -.018 | -.092 | -.096 | -.102 | -.086 | .50 | .006 | -.054 | -.070 | -.059 | -.053 |
| .60 | -.006 | -.043 | -.090 | -.081 | -.021 | .60 | .016 | -.019 | -.065 | -.062 | 0.000 |
| .67 | | | .025 | | | .67 | | | .039 | | |
| .70 | .035 | .055 | | .113 | .124 | .70 | .055 | .071 | | .119 | .142 |
| .80 | .130 | | | .275 | .294 | .80 | .145 | | | .284 | .302 |
| .84 | | | .295 | | | .84 | | | .300 | | |
| .86 | | .239 | | | | .86 | | .252 | | | |
| .90 | | | | .340 | .355 | .90 | | | | .343 | .356 |
| .91 | .196 | | | | | .91 | .208 | | | | |
| .95 | .176 | .210 | .326 | .323 | .329 | .95 | .186 | .215 | .324 | .332 | .336 |

RUN = 601 POINT = 22

TABLE 123

CONTINUED

RUN = 601 POINT = 23

| (I) ALPHA = 5.97 DEGREES | | | | | | (J) ALPHA = 7.89 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.186 | -.261 | .037 | .439 | .624 | 0.00 | -.299 | -.466 | -.141 | .330 | .562 |
| .05 | -.509 | -1.266 | -1.608 | -1.478 | -1.373 | .05 | -.682 | -1.487 | -1.440 | -.933 | -1.462 |
| .10 | -.507 | -.965 | -1.557 | -1.478 | -1.405 | .10 | -.648 | -1.407 | -1.375 | -.876 | -1.380 |
| .20 | -.448 | -.777 | -1.394 | -1.377 | -1.296 | .20 | -.519 | -1.037 | -1.228 | -.783 | -1.011 |
| .30 | -.370 | -.747 | -.992 | -1.290 | -1.219 | .30 | -.430 | -.847 | -1.077 | -.704 | -.715 |
| .40 | -.386 | -.737 | -.643 | -.643 | -.451 | .40 | -.454 | -.685 | -.940 | -.621 | -.567 |
| .50 | -.434 | -.629 | -.390 | -.408 | -.433 | .50 | -.515 | -.651 | -.812 | -.560 | -.562 |
| .60 | -.461 | -.427 | -.347 | -.309 | -.337 | .60 | -.529 | -.451 | -.712 | -.481 | -.485 |
| .67 | | | -.304 | | | .67 | | | -.610 | | |
| .70 | -.450 | -.331 | | -.289 | -.298 | .70 | -.474 | -.402 | | -.415 | -.365 |
| .80 | -.358 | | | -.277 | -.309 | .80 | -.412 | | | -.358 | -.309 |
| .84 | | | .129 | | | .84 | | | .118 | | |
| .86 | | -.233 | | | | .86 | | -.251 | | | |
| .90 | | | | -.187 | -.279 | .90 | | | | -.317 | -.262 |
| .91 | -.275 | | | | | .91 | -.311 | | | | |
| .95 | -.172 | -.064 | .206 | -.100 | -.126 | .95 | -.194 | -.105 | .194 | -.291 | -.188 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .097 | .273 | .329 | .252 | .250 | .05 | .109 | .348 | .441 | .344 | .336 |
| .10 | .079 | .192 | .171 | .126 | .097 | .10 | .122 | .261 | .281 | .200 | .168 |
| .20 | .041 | .098 | .057 | .033 | .026 | .20 | .095 | .151 | .141 | .086 | .065 |
| .30 | .015 | .059 | -.005 | -.015 | -.008 | .30 | .067 | .114 | .072 | .023 | .011 |
| .40 | .019 | .015 | -.029 | -.035 | -.034 | .40 | .063 | .065 | .031 | -.019 | -.031 |
| .50 | .035 | -.019 | -.039 | -.037 | -.027 | .50 | .083 | .023 | -.006 | -.057 | -.048 |
| .60 | .041 | -.005 | -.045 | -.044 | .019 | .60 | .083 | .033 | -.025 | -.085 | -.018 |
| .67 | | | .053 | | | .67 | | | .055 | | |
| .70 | .077 | .088 | | .129 | .148 | .70 | .105 | .098 | | .065 | .105 |
| .80 | .158 | | | .286 | .303 | .80 | .180 | | | .228 | .278 |
| .84 | | | .303 | | | .84 | | | .277 | | |
| .86 | | .255 | | | | .86 | | .253 | | | |
| .90 | | | | .350 | .363 | .90 | | | | .288 | .336 |
| .91 | .214 | | | | | .91 | .226 | | | | |
| .95 | .198 | .212 | .323 | .333 | .340 | .95 | .206 | .194 | .279 | .256 | .301 |

RUN = 601 POINT = 24

TABLE 123 CONTINUED

RUN = 601 POINT = 25

| (K) ALPHA = 9.72 DEGREES | | | | | | (L) ALPHA = 11.60 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.439 | -.695 | -.327 | .233 | .523 | 0.00 | -.559 | -.899 | -.453 | .124 | .480 |
| .05 | -.844 | -1.517 | -1.236 | -.767 | -.792 | .05 | -1.056 | -1.524 | -.902 | -.675 | -.501 |
| .10 | -.757 | -1.531 | -1.169 | -.734 | -.753 | .10 | -.872 | -1.528 | -.876 | -.691 | -.494 |
| .20 | -.588 | -1.452 | -1.034 | -.720 | -.599 | .20 | -.645 | -1.428 | -.876 | -.672 | -.501 |
| .30 | -.495 | -1.336 | -.920 | -.675 | -.568 | .30 | -.565 | -1.189 | -.861 | -.636 | -.483 |
| .40 | -.513 | -1.014 | -.906 | -.621 | -.500 | .40 | -.587 | -1.061 | -.821 | -.603 | -.453 |
| .50 | -.616 | -.775 | -.812 | -.578 | -.497 | .50 | -.563 | -.890 | -.786 | -.595 | -.453 |
| .60 | -.600 | -.429 | -.765 | -.529 | -.487 | .60 | -.536 | -.855 | -.756 | -.571 | -.442 |
| .67 | | | -.731 | | | .67 | | | -.723 | | |
| .70 | -.469 | -.466 | | -.517 | -.401 | .70 | -.583 | -.750 | | -.547 | -.417 |
| .80 | -.415 | | | -.471 | -.392 | .80 | -.555 | | | -.532 | -.412 |
| .84 | | | .101 | | | .84 | | | .089 | | |
| .86 | | -.171 | | | | .86 | | -.166 | | | |
| .90 | | | | -.451 | -.364 | .90 | | | | -.508 | -.410 |
| .91 | -.338 | | | | | .91 | -.434 | | | | |
| .95 | -.217 | -.250 | .174 | -.422 | -.353 | .95 | -.331 | -.550 | .152 | -.492 | -.393 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .110 | .398 | .512 | .414 | .378 | .05 | .090 | .412 | .566 | .490 | .429 |
| .10 | .143 | .310 | .347 | .268 | .203 | .10 | .167 | .355 | .421 | .332 | .263 |
| .20 | .138 | .207 | .209 | .136 | .096 | .20 | .169 | .245 | .268 | .183 | .137 |
| .30 | .141 | .174 | .120 | .053 | .025 | .30 | .173 | .219 | .169 | .089 | .064 |
| .40 | .106 | .121 | .065 | -.005 | -.024 | .40 | .169 | .162 | .104 | .028 | -.009 |
| .50 | .124 | .062 | .020 | -.058 | -.061 | .50 | .163 | .099 | .032 | -.048 | -.050 |
| .60 | .108 | .060 | -.026 | -.104 | -.045 | .60 | .158 | .074 | -.024 | -.101 | -.050 |
| .67 | | | .042 | | | .67 | | | .032 | | |
| .70 | .128 | .101 | | .036 | .059 | .70 | .150 | .113 | | .040 | .051 |
| .80 | .185 | | | .206 | .232 | .80 | .203 | | | .196 | .221 |
| .84 | | | .252 | | | .84 | | | .226 | | |
| .86 | | .251 | | | | .86 | | .241 | | | |
| .90 | | | | .260 | .279 | .90 | | | | .254 | .263 |
| .91 | .233 | | | | | .91 | .227 | | | | |
| .95 | .209 | .172 | .225 | .223 | .240 | .95 | .217 | .125 | .201 | .209 | .222 |

RUN = 601 POINT = 26

TABLE 123 CONCLUDED

| | (M) ALPHA = .30 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .025 | .264 | .545 | .740 | .650 |
| .05 | -.145 | -.265 | -.367 | -.380 | -.198 |
| .10 | -.195 | -.267 | -.491 | -.325 | -.202 |
| .20 | -.211 | -.303 | -.326 | -.282 | -.209 |
| .30 | -.163 | -.324 | -.324 | -.270 | -.206 |
| .40 | -.173 | -.292 | -.266 | -.250 | -.222 |
| .50 | -.205 | -.643 | -.256 | -.264 | -.222 |
| .60 | -.211 | -.237 | -.272 | -.282 | -.245 |
| .67 | | | -.272 | | |
| .70 | -.197 | -.252 | | -.293 | -.289 |
| .80 | -.199 | | | -.321 | -.332 |
| .84 | | | .098 | | |
| .86 | | -.004 | | | |
| .90 | | | | -.254 | -.310 |
| .91 | -.277 | | | | |
| .95 | -.159 | -.096 | .155 | -.129 | -.139 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.040 | -.181 | -.374 | -.511 | -.607 |
| .10 | -.109 | .132 | -.370 | -.488 | -.600 |
| .20 | -.167 | .207 | -.321 | -.385 | -.369 |
| .30 | -.193 | -.219 | -.295 | -.321 | -.271 |
| .40 | -.183 | -.229 | -.258 | -.268 | -.263 |
| .50 | -.135 | -.213 | -.225 | -.215 | -.200 |
| .60 | -.102 | -.142 | -.176 | -.165 | -.087 |
| .67 | | | -.027 | | |
| .70 | -.048 | .007 | | .070 | .092 |
| .80 | .051 | | | .228 | .219 |
| .84 | | | .270 | | |
| .86 | | .207 | | | |
| .90 | | | | .300 | .269 |
| .91 | .145 | | | | |
| .95 | .183 | .201 | .315 | .302 | .274 |

RUN = 600 POINT = 1

TABLE 124

WING PRESSURE COEFFICIENTS

RUN = 600 POINT = 2

| (A) ALPHA = -.70 DEGREES | | | | | | (B) ALPHA = .31 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .031 | .299 | .601 | .739 | .615 | 0.00 | .022 | .279 | .578 | .748 | .681 |
| .05 | -.099 | -.123 | -.168 | -.210 | -.062 | .05 | -.140 | -.231 | -.307 | -.405 | -.213 |
| .10 | -.144 | -.142 | -.353 | -.221 | -.108 | .10 | -.185 | -.231 | -.449 | -.362 | -.229 |
| .20 | -.165 | -.212 | -.256 | -.227 | -.148 | .20 | -.201 | -.278 | -.395 | -.334 | -.234 |
| .30 | -.121 | -.258 | -.288 | -.232 | -.171 | .30 | -.153 | -.311 | -.334 | -.308 | -.243 |
| .40 | -.146 | -.252 | -.227 | -.221 | -.197 | .40 | -.182 | -.324 | -.290 | -.264 | -.252 |
| .50 | -.171 | -.568 | -.246 | -.245 | -.192 | .50 | -.208 | -.477 | -.305 | -.297 | -.248 |
| .60 | -.178 | -.229 | -.277 | -.270 | -.211 | .60 | -.218 | -.271 | -.328 | -.325 | -.273 |
| .67 | | | -.275 | | | .67 | | | -.305 | | |
| .70 | -.184 | -.261 | | -.296 | -.294 | .70 | -.225 | -.311 | | -.319 | -.324 |
| .80 | -.201 | | | -.327 | -.394 | .80 | -.237 | | | -.364 | -.438 |
| .84 | | | .084 | | | .84 | | | .103 | | |
| .86 | | .021 | | | | .86 | | -.024 | | | |
| .90 | | | | -.234 | -.291 | .90 | | | | -.249 | -.285 |
| .91 | -.112 | | | | | .91 | -.174 | | | | |
| .95 | -.097 | -.079 | .144 | -.089 | -.102 | .95 | -.100 | -.075 | .161 | -.099 | -.085 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.080 | -.300 | -.625 | -.753 | -.797 | .05 | -.040 | -.177 | -.397 | -.551 | -.681 |
| .10 | -.146 | -.062 | -.550 | -.835 | -.928 | .10 | -.108 | -.106 | -.410 | -.616 | -.781 |
| .20 | -.205 | .115 | -.498 | -.706 | -.870 | .20 | -.172 | .042 | -.390 | -.488 | -.630 |
| .30 | -.245 | -.307 | -.483 | -.591 | -.785 | .30 | -.206 | -.238 | -.369 | -.431 | -.276 |
| .40 | -.239 | -.329 | -.431 | -.396 | -.219 | .40 | -.201 | -.257 | -.332 | -.356 | -.275 |
| .50 | -.182 | -.353 | -.296 | -.245 | -.189 | .50 | -.149 | -.269 | -.264 | -.223 | -.206 |
| .60 | -.159 | -.202 | -.219 | -.176 | -.069 | .60 | -.127 | -.177 | -.204 | -.167 | -.081 |
| .67 | | | -.045 | | | .67 | | | -.039 | | |
| .70 | -.100 | -.020 | | .074 | .102 | .70 | -.074 | -.006 | | .084 | .109 |
| .80 | .031 | | | .202 | .237 | .80 | .058 | | | .235 | .223 |
| .84 | | | .239 | | | .84 | | | .276 | | |
| .86 | | .174 | | | | .86 | | .203 | | | |
| .90 | | | | .276 | .287 | .90 | | | | .307 | .274 |
| .91 | .132 | | | | | .91 | .151 | | | | |
| .95 | .160 | .195 | .300 | .287 | .280 | .95 | .154 | .209 | .328 | .304 | .277 |

RUN = 600 POINT = 3

TABLE 124 CONTINUED

RUN = 600 POINT = 4

| (C) ALPHA = 1.21 DEGREES | | | | | | (D) ALPHA = 2.05 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .008 | .239 | .538 | .745 | .723 | 0.00 | -.009 | .190 | .489 | .733 | .738 |
| .05 | -.182 | -.345 | -.445 | -.625 | -.401 | .05 | -.225 | -.442 | -.661 | -.735 | -.658 |
| .10 | -.229 | -.312 | -.617 | -.624 | -.359 | .10 | -.262 | -.402 | -.696 | -.792 | -.644 |
| .20 | -.233 | -.347 | -.487 | -.455 | -.335 | .20 | -.264 | -.410 | -.570 | -.694 | -.493 |
| .30 | -.184 | -.399 | -.523 | -.295 | -.321 | .30 | -.208 | -.442 | -.604 | -.598 | -.279 |
| .40 | -.203 | -.408 | -.364 | -.314 | -.326 | .40 | -.234 | -.464 | -.451 | -.365 | -.288 |
| .50 | -.244 | -.449 | -.338 | -.351 | -.326 | .50 | -.281 | -.455 | -.484 | -.243 | -.293 |
| .60 | -.261 | -.319 | -.332 | -.357 | -.310 | .60 | -.302 | -.417 | -.434 | -.309 | -.381 |
| .67 | | | -.328 | | | .67 | | | -.350 | | |
| .70 | -.273 | -.315 | | -.355 | -.350 | .70 | -.317 | -.419 | | -.357 | -.427 |
| .80 | -.269 | | | -.371 | -.472 | .80 | -.357 | | | -.428 | -.495 |
| .84 | | | .107 | | | .84 | | | .117 | | |
| .86 | | -.120 | | | | .86 | | -.149 | | | |
| .90 | | | | -.247 | -.289 | .90 | | | | -.256 | -.260 |
| .91 | -.210 | | | | | .91 | -.253 | | | | |
| .95 | -.097 | -.070 | .174 | -.097 | -.096 | .95 | -.100 | -.058 | .183 | -.091 | -.092 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.002 | -.081 | -.251 | -.381 | -.447 | .05 | .020 | .017 | -.089 | -.244 | -.216 |
| .10 | -.072 | -.097 | -.273 | -.447 | -.533 | .10 | -.045 | -.046 | -.193 | -.302 | -.369 |
| .20 | -.136 | 0.000 | -.299 | -.370 | -.394 | .20 | -.106 | -.012 | -.213 | -.291 | -.300 |
| .30 | -.172 | -.188 | -.297 | -.327 | -.310 | .30 | -.134 | -.136 | -.230 | -.257 | -.258 |
| .40 | -.161 | -.208 | -.275 | -.292 | -.243 | .40 | -.130 | -.165 | -.219 | -.246 | -.214 |
| .50 | -.119 | -.221 | -.236 | -.203 | -.184 | .50 | -.087 | -.178 | -.200 | -.176 | -.164 |
| .60 | -.095 | -.144 | -.196 | -.157 | -.078 | .60 | -.064 | -.121 | -.161 | -.132 | -.064 |
| .67 | | | -.027 | | | .67 | | | -.017 | | |
| .70 | -.040 | .009 | | .092 | .120 | .70 | -.024 | .017 | | .101 | .119 |
| .80 | .080 | | | .254 | .261 | .80 | .096 | | | .262 | .290 |
| .84 | | | .284 | | | .84 | | | .292 | | |
| .86 | | .214 | | | | .86 | | .223 | | | |
| .90 | | | | .322 | .324 | .90 | | | | .331 | .355 |
| .91 | .163 | | | | | .91 | .175 | | | | |
| .95 | .158 | .214 | .334 | .324 | .322 | .95 | .167 | .220 | .334 | .327 | .343 |

RUN = 600 POINT = 5

TABLE 124 CONTINUED

RUN = 600 POINT = 6

| (E) ALPHA = 2.99 DEGREES | | | | | | (F) ALPHA = 3.49 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.036 | .129 | .425 | .697 | .741 | 0.00 | -.052 | .080 | .401 | .687 | .740 |
| .05 | -.274 | -.548 | -.902 | -.843 | -.762 | .05 | -.303 | -.639 | -.986 | -.898 | -.811 |
| .10 | -.310 | -.519 | -.831 | -.902 | -.791 | .10 | -.335 | -.580 | -.936 | -.952 | -.851 |
| .20 | -.300 | -.484 | -.654 | -.850 | -.765 | .20 | -.316 | -.501 | -.715 | -.916 | -.821 |
| .30 | -.236 | -.505 | -.696 | -.763 | -.739 | .30 | -.250 | -.530 | -.715 | -.867 | -.797 |
| .40 | -.253 | -.522 | -.541 | -.713 | -.672 | .40 | -.272 | -.555 | -.606 | -.837 | -.776 |
| .50 | -.304 | -.482 | -.564 | -.582 | -.665 | .50 | -.327 | -.509 | -.597 | -.628 | -.786 |
| .60 | -.334 | -.490 | -.532 | -.352 | -.380 | .60 | -.348 | -.505 | -.574 | -.578 | -.702 |
| .67 | | | -.520 | | | .67 | | | -.556 | | |
| .70 | -.359 | -.514 | | -.243 | -.294 | .70 | -.386 | -.534 | | -.232 | -.196 |
| .80 | -.417 | | | -.324 | -.462 | .80 | -.438 | | | -.273 | -.331 |
| .84 | | | .114 | | | .84 | | | .114 | | |
| .86 | | -.186 | | | | .86 | | -.221 | | | |
| .90 | | | | -.234 | -.313 | .90 | | | | -.208 | -.298 |
| .91 | -.297 | | | | | .91 | -.321 | | | | |
| .95 | -.113 | -.051 | .181 | -.093 | -.127 | .95 | -.136 | -.062 | .182 | -.075 | -.131 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .050 | .093 | .026 | -.121 | -.085 | .05 | .061 | .131 | .079 | -.064 | -.040 |
| .10 | -.008 | .009 | -.093 | -.189 | -.224 | .10 | .017 | .064 | -.036 | -.147 | -.173 |
| .20 | -.076 | -.003 | -.152 | -.206 | -.218 | .20 | -.048 | .019 | -.123 | -.169 | -.175 |
| .30 | -.100 | -.087 | -.173 | -.208 | -.189 | .30 | -.076 | -.061 | -.143 | -.175 | -.159 |
| .40 | -.091 | -.112 | -.169 | -.199 | -.171 | .40 | -.074 | -.097 | -.147 | -.177 | -.142 |
| .50 | -.051 | -.144 | -.169 | -.150 | -.126 | .50 | -.036 | -.120 | -.151 | -.140 | -.112 |
| .60 | -.040 | -.094 | -.137 | -.117 | -.036 | .60 | -.021 | -.080 | -.136 | -.105 | -.025 |
| .67 | | | -.008 | | | .67 | | | -.001 | | |
| .70 | .003 | .034 | | .110 | .138 | .70 | .017 | .039 | | .121 | .146 |
| .80 | .114 | | | .276 | .305 | .80 | .123 | | | .282 | .317 |
| .84 | | | .291 | | | .84 | | | .289 | | |
| .86 | | .234 | | | | .86 | | .236 | | | |
| .90 | | | | .339 | .381 | .90 | | | | .354 | .392 |
| .91 | .184 | | | | | .91 | .191 | | | | |
| .95 | .169 | .215 | .337 | .326 | .368 | .95 | .180 | .209 | .329 | .347 | .375 |

RUN = 600 POINT = 7

TABLE 124 CONTINUED

RUN = 600 POINT = 8

| (G) ALPHA = 3.99 DEGREES | | | | | | (H) ALPHA = 4.97 DEGREES | | | | | |
|--------------------------|-------|-------|--------|-------|-------|--------------------------|-------|-------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.076 | .038 | .358 | .668 | .733 | 0.00 | -.114 | -.040 | .283 | .627 | .723 |
| .05 | -.351 | -.744 | -1.063 | -.953 | -.856 | .05 | -.434 | -.932 | -1.169 | -1.033 | -.941 |
| .10 | -.376 | -.651 | -1.052 | -.992 | -.893 | .10 | -.425 | -.790 | -1.184 | -1.072 | -.978 |
| .20 | -.338 | -.544 | -.829 | -.973 | -.881 | .20 | -.387 | -.604 | -1.060 | -1.046 | -.960 |
| .30 | -.265 | -.566 | -.754 | -.938 | -.860 | .30 | -.302 | -.603 | -.799 | -1.008 | -.934 |
| .40 | -.284 | -.571 | -.623 | -.903 | -.840 | .40 | -.304 | -.639 | -.710 | -.998 | -.918 |
| .50 | -.346 | -.531 | -.625 | -.868 | -.839 | .50 | -.364 | -.577 | -.660 | -.989 | -.920 |
| .60 | -.365 | -.547 | -.615 | -.659 | -.842 | .60 | -.394 | -.596 | -.700 | -.976 | -.920 |
| .67 | | | -.589 | | | .67 | | | -.630 | | |
| .70 | -.414 | -.566 | | -.286 | -.333 | .70 | -.449 | -.617 | | -.511 | -.808 |
| .80 | -.468 | | | -.245 | -.235 | .80 | -.504 | | | -.243 | -.408 |
| .84 | | | .116 | | | .84 | | | .116 | | |
| .86 | | -.259 | | | | .86 | | -.295 | | | |
| .90 | | | | -.175 | -.240 | .90 | | | | -.141 | -.205 |
| .91 | -.355 | | | | | .91 | -.402 | | | | |
| .95 | -.157 | -.095 | .182 | -.064 | -.119 | .95 | -.202 | -.138 | .182 | -.053 | -.074 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .072 | .171 | .132 | -.009 | .016 | .05 | .093 | .234 | .204 | .077 | .084 |
| .10 | .025 | .104 | -.005 | -.108 | -.121 | .10 | .049 | .158 | .069 | -.029 | -.053 |
| .20 | -.038 | .043 | -.091 | -.130 | -.145 | .20 | -.006 | .080 | -.031 | -.079 | -.086 |
| .30 | -.063 | -.037 | -.123 | -.151 | -.130 | .30 | -.025 | .005 | -.079 | -.110 | -.096 |
| .40 | -.059 | -.079 | -.132 | -.162 | -.131 | .40 | -.025 | -.034 | -.115 | -.127 | -.093 |
| .50 | -.019 | -.106 | -.134 | -.129 | -.093 | .50 | .006 | -.072 | -.110 | -.104 | -.072 |
| .60 | -.008 | -.070 | -.123 | -.100 | -.013 | .60 | .015 | -.047 | -.110 | -.091 | -.002 |
| .67 | | | -.005 | | | .67 | | | .007 | | |
| .70 | .027 | .040 | | .118 | .156 | .70 | .044 | .049 | | .119 | .159 |
| .80 | .129 | | | .284 | .317 | .80 | .136 | | | .290 | .323 |
| .84 | | | .285 | | | .84 | | | .283 | | |
| .86 | | .238 | | | | .86 | | .237 | | | |
| .90 | | | | .352 | .388 | .90 | | | | .364 | .391 |
| .91 | .193 | | | | | .91 | .198 | | | | |
| .95 | .181 | .194 | .322 | .346 | .376 | .95 | .191 | .186 | .303 | .351 | .377 |

RUN = 600 POINT = 9

TABLE 124 CONTINUED

RUN = 600 POINT = 10

| (I) ALPHA = 6.12 DEGREES | | | | | | (J) ALPHA = 8.13 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.161 | -.138 | .193 | .578 | .694 | 0.00 | -.272 | -.342 | .030 | .448 | .628 |
| .05 | -.504 | -1.112 | -1.267 | -1.114 | -1.031 | .05 | -.653 | -1.230 | -1.402 | -1.291 | -1.192 |
| .10 | -.511 | -1.085 | -1.298 | -1.154 | -1.064 | .10 | -.640 | -1.247 | -1.373 | -1.300 | -1.218 |
| .20 | -.438 | -.675 | -1.221 | -1.127 | -1.045 | .20 | -.521 | -1.086 | -1.305 | -1.276 | -1.192 |
| .30 | -.330 | -.666 | -1.050 | -1.108 | -1.019 | .30 | -.391 | -.998 | -1.082 | -1.244 | -1.125 |
| .40 | -.334 | -.679 | -.744 | -1.081 | -1.001 | .40 | -.395 | -.826 | -.967 | -1.191 | -1.050 |
| .50 | -.394 | -.616 | -.727 | -1.079 | -1.000 | .50 | -.472 | -.708 | -.904 | -1.158 | -1.060 |
| .60 | -.432 | -.645 | -.732 | -1.088 | -1.003 | .60 | -.515 | -.699 | -.872 | -.829 | -.774 |
| .67 | | | -.679 | | | .67 | | | -.743 | | |
| .70 | -.489 | -.668 | | -.902 | -.610 | .70 | -.593 | -.704 | | -.616 | -.426 |
| .80 | -.543 | | | -.439 | -.402 | .80 | -.636 | | | -.522 | -.368 |
| .84 | | | .121 | | | .84 | | | .115 | | |
| .86 | | -.329 | | | | .86 | | -.266 | | | |
| .90 | | | | -.160 | -.275 | .90 | | | | -.439 | -.333 |
| .91 | -.472 | | | | | .91 | -.572 | | | | |
| .95 | -.265 | -.177 | .185 | -.074 | -.193 | .95 | -.346 | -.205 | .190 | -.384 | -.310 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .107 | .288 | .312 | .168 | .183 | .05 | .115 | .355 | .437 | .310 | .304 |
| .10 | .085 | .210 | .152 | .056 | .021 | .10 | .128 | .269 | .270 | .178 | .145 |
| .20 | .041 | .128 | .036 | -.015 | -.034 | .20 | .090 | .172 | .132 | .071 | .038 |
| .30 | .017 | .058 | -.029 | -.053 | -.055 | .30 | .075 | .125 | .058 | .005 | -.006 |
| .40 | .011 | .005 | -.064 | -.083 | -.067 | .40 | .077 | .072 | .008 | -.040 | -.059 |
| .50 | .038 | -.040 | -.079 | -.085 | -.058 | .50 | .092 | .022 | -.029 | -.066 | -.078 |
| .60 | .043 | -.023 | -.090 | -.072 | -.011 | .60 | .092 | .020 | -.059 | -.088 | -.050 |
| .67 | | | .017 | | | .67 | | | .032 | | |
| .70 | .068 | .069 | | .129 | .148 | .70 | .104 | .087 | | .091 | .078 |
| .80 | .152 | | | .298 | .314 | .80 | .181 | | | .256 | .246 |
| .84 | | | .288 | | | .84 | | | .282 | | |
| .86 | | .248 | | | | .86 | | .254 | | | |
| .90 | | | | .364 | .356 | .90 | | | | .304 | .298 |
| .91 | .209 | | | | | .91 | .219 | | | | |
| .95 | .196 | .185 | .304 | .352 | .316 | .95 | .207 | .180 | .297 | .272 | .262 |

RUN = 600 POINT = 11

TABLE 124 CONTINUED

RUN = 600 POINT = 12

| (K) ALPHA = 9.88 DEGREES | | | | | | (L) ALPHA = 11.75 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.375 | -.507 | -.118 | .347 | .582 | 0.00 | -.477 | -.696 | -.309 | .242 | .531 |
| .05 | -.856 | -1.290 | -1.151 | -.773 | -.845 | .05 | -1.027 | -1.297 | -1.012 | -.662 | -.579 |
| .10 | -.749 | -1.296 | -1.119 | -.746 | -.775 | .10 | -.947 | -1.298 | -.930 | -.649 | -.549 |
| .20 | -.567 | -1.266 | -.989 | -.694 | -.608 | .20 | -.598 | -1.340 | -.853 | -.649 | -.526 |
| .30 | -.456 | -1.274 | -.917 | -.666 | -.564 | .30 | -.490 | -1.401 | -.777 | -.638 | -.526 |
| .40 | -.445 | -1.234 | -.819 | -.633 | -.552 | .40 | -.460 | -1.239 | -.748 | -.622 | -.528 |
| .50 | -.537 | -.921 | -.762 | -.602 | -.552 | .50 | -.545 | -1.027 | -.737 | -.609 | -.533 |
| .60 | -.601 | -.425 | -.733 | -.569 | -.507 | .60 | -.574 | -.836 | -.733 | -.596 | -.511 |
| .67 | | | -.695 | | | .67 | | | -.710 | | |
| .70 | -.680 | -.541 | | -.541 | -.447 | .70 | -.445 | -.720 | | -.590 | -.463 |
| .80 | -.578 | | | -.521 | -.423 | .80 | -.334 | | | -.579 | -.458 |
| .84 | | | .101 | | | .84 | | | .103 | | |
| .86 | | -.269 | | | | .86 | | -.260 | | | |
| .90 | | | | -.497 | -.407 | .90 | | | | -.572 | -.451 |
| .91 | -.542 | | | | | .91 | -.456 | | | | |
| .95 | -.311 | -.435 | .171 | -.471 | -.395 | .95 | -.406 | -.647 | .174 | -.540 | -.439 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .120 | .399 | .503 | .415 | .363 | .05 | .118 | .433 | .574 | .480 | .426 |
| .10 | .157 | .327 | .343 | .252 | .196 | .10 | .179 | .372 | .415 | .327 | .257 |
| .20 | .150 | .221 | .210 | .110 | .069 | .20 | .194 | .279 | .275 | .176 | .127 |
| .30 | .135 | .181 | .109 | .033 | .008 | .30 | .182 | .237 | .174 | .089 | .050 |
| .40 | .129 | .122 | .055 | -.026 | -.057 | .40 | .171 | .168 | .111 | .017 | -.022 |
| .50 | .135 | .059 | -.002 | -.083 | -.092 | .50 | .179 | .107 | .041 | -.059 | -.074 |
| .60 | .129 | .050 | -.044 | -.130 | -.081 | .60 | .162 | .088 | -.026 | -.111 | -.074 |
| .67 | | | .019 | | | .67 | | | .030 | | |
| .70 | .131 | .107 | | .034 | .046 | .70 | .158 | .126 | | .036 | .043 |
| .80 | .199 | | | .208 | .227 | .80 | .215 | | | .208 | .224 |
| .84 | | | .246 | | | .84 | | | .244 | | |
| .86 | | .255 | | | | .86 | | .252 | | | |
| .90 | | | | .262 | .280 | .90 | | | | .269 | .272 |
| .91 | .234 | | | | | .91 | .241 | | | | |
| .95 | .221 | .168 | .228 | .233 | .243 | .95 | .228 | .147 | .231 | .227 | .237 |

RUN = 600 POINT = 13

TABLE 124 CONCLUDED

| | (M) ALPHA = .32 DEGREES | | | | |
|------|-------------------------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .271 | .570 | .744 | .682 |
| .05 | -.144 | -.252 | -.314 | -.393 | -.209 |
| .10 | -.189 | -.252 | -.457 | -.358 | -.224 |
| .20 | -.199 | -.278 | -.403 | -.325 | -.238 |
| .30 | -.154 | -.314 | -.348 | -.302 | -.240 |
| .40 | -.176 | -.314 | -.274 | -.260 | -.249 |
| .50 | -.210 | -.731 | -.312 | -.291 | -.245 |
| .60 | -.219 | -.268 | -.331 | -.325 | -.273 |
| .67 | | | -.320 | | |
| .70 | -.225 | -.306 | | -.323 | -.321 |
| .80 | -.238 | | | -.361 | -.431 |
| .84 | | | .098 | | |
| .86 | | -.066 | | | |
| .90 | | | | -.253 | -.328 |
| .91 | -.325 | | | | |
| .95 | -.195 | -.076 | .165 | -.101 | -.107 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.050 | -.188 | -.385 | -.566 | -.682 |
| .10 | -.118 | .142 | -.422 | -.603 | -.756 |
| .20 | -.170 | .229 | -.408 | -.498 | -.628 |
| .30 | -.212 | -.247 | -.382 | -.426 | -.279 |
| .40 | -.204 | -.274 | -.336 | -.356 | -.284 |
| .50 | -.155 | -.268 | -.269 | -.225 | -.209 |
| .60 | -.129 | -.177 | -.206 | -.168 | -.081 |
| .67 | | | -.039 | | |
| .70 | -.074 | -.004 | | .082 | .106 |
| .80 | .056 | | | .229 | .220 |
| .84 | | | .271 | | |
| .86 | | .197 | | | |
| .90 | | | | .302 | .276 |
| .91 | .145 | | | | |
| .95 | .196 | .207 | .327 | .311 | .277 |

| (A) ALPHA = -.73 DEGREES | | | | | | (B) ALPHA = .28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .026 | .299 | .608 | .740 | .625 | 0.00 | .014 | .268 | .584 | .750 | .677 |
| .05 | -.097 | -.118 | -.148 | -.204 | -.070 | .05 | -.136 | -.229 | -.287 | -.422 | -.210 |
| .10 | -.137 | -.135 | -.337 | -.228 | -.119 | .10 | -.179 | -.233 | -.462 | -.379 | -.229 |
| .20 | -.160 | -.210 | -.250 | -.245 | -.146 | .20 | -.202 | -.271 | -.393 | -.329 | -.237 |
| .30 | -.116 | -.250 | -.298 | -.234 | -.171 | .30 | -.147 | -.323 | -.400 | -.331 | -.244 |
| .40 | -.135 | -.268 | -.225 | -.211 | -.203 | .40 | -.162 | -.337 | -.304 | -.303 | -.270 |
| .50 | -.171 | .053 | -.256 | -.271 | -.206 | .50 | -.206 | -.102 | -.314 | -.325 | -.272 |
| .60 | -.185 | -.231 | -.298 | -.288 | -.254 | .60 | -.225 | -.285 | -.327 | -.329 | -.275 |
| .67 | | | -.268 | | | .67 | | | -.310 | | |
| .70 | -.187 | -.285 | | -.275 | -.293 | .70 | -.235 | -.337 | | -.368 | -.318 |
| .80 | -.217 | | | -.346 | -.433 | .80 | -.269 | | | -.374 | -.466 |
| .84 | | | .078 | | | .84 | | | .095 | | |
| .86 | | -.368 | | | | .86 | | -.383 | | | |
| .90 | | | | -.234 | -.273 | .90 | | | | -.253 | -.261 |
| .91 | -.065 | | | | | .91 | -.174 | | | | |
| .95 | -.108 | -.073 | .127 | -.082 | -.084 | .95 | -.109 | -.064 | .150 | -.094 | -.074 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.072 | -.300 | -.598 | -.705 | -.765 | .05 | -.041 | -.191 | -.400 | -.564 | -.648 |
| .10 | -.143 | .219 | -.551 | -.802 | -.902 | .10 | -.109 | .049 | -.402 | -.625 | -.785 |
| .20 | -.217 | .362 | -.507 | -.731 | -.895 | .20 | -.176 | .260 | -.407 | -.556 | -.711 |
| .30 | -.263 | -.323 | -.505 | -.669 | -.826 | .30 | -.214 | -.248 | -.413 | -.500 | -.623 |
| .40 | -.242 | -.347 | -.507 | -.679 | -.728 | .40 | -.206 | -.283 | -.379 | -.450 | -.203 |
| .50 | -.194 | -.385 | -.353 | -.234 | -.107 | .50 | -.158 | -.300 | -.292 | -.230 | -.192 |
| .60 | -.169 | -.246 | -.234 | -.151 | -.033 | .60 | -.139 | -.202 | -.219 | -.161 | -.078 |
| .67 | | | -.045 | | | .67 | | | -.038 | | |
| .70 | -.131 | -.023 | | .085 | .117 | .70 | -.092 | -.008 | | .092 | .113 |
| .80 | .018 | | | .223 | .251 | .80 | .038 | | | .247 | .240 |
| .84 | | | .241 | | | .84 | | | .273 | | |
| .86 | | .165 | | | | .86 | | .193 | | | |
| .90 | | | | .300 | .302 | .90 | | | | .318 | .295 |
| .91 | .125 | | | | | .91 | .139 | | | | |
| .95 | .428 | .196 | .309 | .314 | .293 | .95 | .318 | .204 | .329 | .321 | .295 |

RUN = 599 POINT = 5

TABLE 125 CONTINUED

RUN = 599 POINT = 6

| (C) ALPHA = 1.19 DEGREES | | | | | | (D) ALPHA = 2.02 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .248 | .552 | .754 | .727 | 0.00 | -.014 | .196 | .509 | .742 | .736 |
| .05 | -.175 | -.325 | -.457 | -.588 | -.437 | .05 | -.216 | -.407 | -.584 | -.678 | -.582 |
| .10 | -.219 | -.310 | -.560 | -.588 | -.407 | .10 | -.254 | -.390 | -.689 | -.734 | -.602 |
| .20 | -.232 | -.348 | -.466 | -.492 | -.391 | .20 | -.263 | -.399 | -.554 | -.660 | -.572 |
| .30 | -.175 | -.369 | -.541 | -.471 | -.316 | .30 | -.201 | -.428 | -.590 | -.588 | -.544 |
| .40 | -.191 | -.397 | -.370 | -.336 | -.295 | .40 | -.212 | -.449 | -.443 | -.499 | -.455 |
| .50 | -.246 | -.225 | -.414 | -.397 | -.282 | .50 | -.267 | -.313 | -.466 | -.462 | -.476 |
| .60 | -.263 | -.372 | -.393 | -.267 | -.332 | .60 | -.288 | -.420 | -.464 | -.515 | -.188 |
| .67 | | | -.401 | | | .67 | | | -.464 | | |
| .70 | -.285 | -.403 | | -.289 | -.374 | .70 | -.310 | -.456 | | -.223 | -.311 |
| .80 | -.340 | | | -.403 | -.525 | .80 | -.380 | | | -.277 | -.477 |
| .84 | | | .118 | | | .84 | | | .117 | | |
| .86 | | -.319 | | | | .86 | | -.325 | | | |
| .90 | | | | -.258 | -.235 | .90 | | | | -.234 | -.337 |
| .91 | -.244 | | | | | .91 | -.289 | | | | |
| .95 | -.098 | -.047 | .180 | -.087 | -.061 | .95 | -.108 | -.052 | .176 | -.085 | -.085 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.003 | -.078 | -.237 | -.403 | -.449 | .05 | .017 | -0.000 | -.114 | -.273 | -.251 |
| .10 | -.069 | -.005 | -.295 | -.462 | -.557 | .10 | -.037 | .004 | -.179 | -.343 | -.441 |
| .20 | -.145 | .168 | -.323 | -.410 | -.469 | .20 | -.112 | .113 | -.225 | -.318 | -.327 |
| .30 | -.172 | -.179 | -.310 | -.369 | -.358 | .30 | -.140 | -.134 | -.249 | -.305 | -.276 |
| .40 | -.160 | -.223 | -.295 | -.360 | -.244 | .40 | -.129 | -.170 | -.247 | -.273 | -.222 |
| .50 | -.117 | -.236 | -.250 | -.200 | -.188 | .50 | -.091 | -.195 | -.216 | -.184 | -.164 |
| .60 | -.094 | -.156 | -.202 | -.152 | -.066 | .60 | -.076 | -.134 | -.186 | -.136 | -.055 |
| .67 | | | -.026 | | | .67 | | | -.023 | | |
| .70 | -.056 | .006 | | .099 | .122 | .70 | -.031 | .018 | | .105 | .129 |
| .80 | .073 | | | .259 | .259 | .80 | .091 | | | .265 | .286 |
| .84 | | | .289 | | | .84 | | | .293 | | |
| .86 | | .216 | | | | .86 | | .220 | | | |
| .90 | | | | .327 | .327 | .90 | | | | .337 | .362 |
| .91 | .161 | | | | | .91 | .168 | | | | |
| .95 | .255 | .218 | .337 | .331 | .322 | .95 | .221 | .216 | .337 | .339 | .353 |

| (E) ALPHA = 2.95 DEGREES | | | | | | (F) ALPHA = 3.45 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.029 | .147 | .457 | .729 | .741 | 0.00 | -.045 | .116 | .420 | .714 | .741 |
| .05 | -.266 | -.526 | -.817 | -.753 | -.692 | .05 | -.324 | -.616 | -.910 | -.811 | -.732 |
| .10 | -.319 | -.491 | -.781 | -.825 | -.720 | .10 | -.330 | -.556 | -.870 | -.872 | -.770 |
| .20 | -.296 | -.455 | -.631 | -.786 | -.700 | .20 | -.324 | -.488 | -.693 | -.830 | -.751 |
| .30 | -.225 | -.478 | -.661 | -.745 | -.678 | .30 | -.241 | -.504 | -.691 | -.800 | -.726 |
| .40 | -.232 | -.480 | -.518 | -.703 | -.669 | .40 | -.245 | -.531 | -.562 | -.784 | -.725 |
| .50 | -.302 | -.376 | -.534 | -.579 | -.681 | .50 | -.315 | -.442 | -.560 | -.645 | -.726 |
| .60 | -.321 | -.465 | -.526 | -.552 | -.658 | .60 | -.337 | -.510 | -.569 | -.597 | -.737 |
| .67 | | | -.509 | | | .67 | | | -.541 | | |
| .70 | -.351 | -.488 | | -.590 | -.197 | .70 | -.373 | -.516 | | -.621 | -.649 |
| .80 | -.406 | | | -.238 | -.300 | .80 | -.422 | | | -.259 | -.249 |
| .84 | | | .109 | | | .84 | | | .106 | | |
| .86 | | -.366 | | | | .86 | | -.396 | | | |
| .90 | | | | -.155 | -.272 | .90 | | | | -.126 | -.190 |
| .91 | -.332 | | | | | .91 | -.375 | | | | |
| .95 | -.142 | -.082 | .174 | -.044 | -.106 | .95 | -.170 | -.112 | .161 | -.038 | -.079 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .045 | .090 | -.007 | -.160 | -.125 | .05 | .055 | .121 | .063 | -.095 | -.079 |
| .10 | -.014 | .037 | -.107 | -.225 | -.277 | .10 | .001 | .066 | -.058 | -.184 | -.225 |
| .20 | -.078 | .088 | -.167 | -.245 | -.244 | .20 | -.066 | .085 | -.132 | -.209 | -.212 |
| .30 | -.101 | -.094 | -.191 | -.236 | -.221 | .30 | -.089 | -.076 | -.158 | -.211 | -.198 |
| .40 | -.101 | -.137 | -.203 | -.241 | -.188 | .40 | -.083 | -.118 | -.172 | -.220 | -.172 |
| .50 | -.055 | -.157 | -.184 | -.169 | -.137 | .50 | -.043 | -.146 | -.174 | -.165 | -.121 |
| .60 | -.042 | -.107 | -.167 | -.132 | -.036 | .60 | -.034 | -.103 | -.163 | -.127 | -.032 |
| .67 | | | -.020 | | | .67 | | | -.023 | | |
| .70 | -.012 | .021 | | .113 | .148 | .70 | -0.000 | .022 | | .106 | .148 |
| .80 | .102 | | | .275 | .312 | .80 | .104 | | | .272 | .316 |
| .84 | | | .283 | | | .84 | | | .280 | | |
| .86 | | .229 | | | | .86 | | .226 | | | |
| .90 | | | | .345 | .383 | .90 | | | | .337 | .392 |
| .91 | .175 | | | | | .91 | .178 | | | | |
| .95 | .206 | .206 | .327 | .342 | .382 | .95 | .195 | .195 | .318 | .342 | .384 |

RUN = 599 POINT = 13

TABLE 125 CONTINUED

RUN = 599 POINT = 14

| (K) ALPHA = 9.93 DEGREES | | | | | | (L) ALPHA = 11.84 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.370 | -.473 | -.073 | .366 | .599 | 0.00 | -.466 | -.654 | -.261 | .261 | .538 |
| .05 | -.963 | -1.234 | -1.198 | -.800 | -.786 | .05 | -.985 | -1.240 | -1.240 | -.661 | -.644 |
| .10 | -.792 | -1.247 | -1.169 | -.807 | -.697 | .10 | -.944 | -1.244 | -1.238 | -.657 | -.597 |
| .20 | -.527 | -1.211 | -1.004 | -.750 | -.612 | .20 | -.574 | -1.281 | -1.023 | -.650 | -.576 |
| .30 | -.456 | -1.205 | -.929 | -.691 | -.592 | .30 | -.475 | -1.338 | -.916 | -.646 | -.566 |
| .40 | -.419 | -1.201 | -.863 | -.651 | -.520 | .40 | -.438 | -1.385 | -.833 | -.642 | -.543 |
| .50 | -.505 | -.863 | -.789 | -.629 | -.526 | .50 | -.516 | -1.068 | -.778 | -.633 | -.538 |
| .60 | -.579 | -.693 | -.763 | -.580 | -.481 | .60 | -.546 | -1.046 | -.780 | -.615 | -.507 |
| .67 | | | -.704 | | | .67 | | | -.740 | | |
| .70 | -.649 | -.381 | | -.571 | -.455 | .70 | -.606 | -.746 | | -.609 | -.486 |
| .80 | -.658 | | | -.541 | -.448 | .80 | -.664 | | | -.591 | -.483 |
| .84 | | | .107 | | | .84 | | | .119 | | |
| .86 | | -.483 | | | | .86 | | -.510 | | | |
| .90 | | | | -.514 | -.427 | .90 | | | | -.573 | -.471 |
| .91 | -.611 | | | | | .91 | -.574 | | | | |
| .95 | -.340 | -.374 | .186 | -.486 | -.420 | .95 | -.257 | -.616 | .194 | -.555 | -.455 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .130 | .414 | .516 | .405 | .357 | .05 | .124 | .446 | .583 | .492 | .448 |
| .10 | .152 | .328 | .354 | .250 | .179 | .10 | .184 | .378 | .428 | .343 | .272 |
| .20 | .141 | .239 | .220 | .107 | .063 | .20 | .199 | .282 | .290 | .189 | .139 |
| .30 | .135 | .188 | .120 | .042 | .002 | .30 | .190 | .247 | .184 | .100 | .063 |
| .40 | .117 | .131 | .065 | -.030 | -.068 | .40 | .180 | .184 | .124 | .029 | -.019 |
| .50 | .137 | .060 | .005 | -.080 | -.103 | .50 | .190 | .122 | .055 | -.045 | -.062 |
| .60 | .126 | .052 | -.047 | -.132 | -.094 | .60 | .173 | .098 | -.010 | -.100 | -.062 |
| .67 | | | .025 | | | .67 | | | .047 | | |
| .70 | .128 | .109 | | .037 | .042 | .70 | .169 | .143 | | .046 | .049 |
| .80 | .195 | | | .212 | .227 | .80 | .225 | | | .222 | .225 |
| .84 | | | .253 | | | .84 | | | .262 | | |
| .86 | | .258 | | | | .86 | | .275 | | | |
| .90 | | | | .267 | .279 | .90 | | | | .277 | .279 |
| .91 | .227 | | | | | .91 | .249 | | | | |
| .95 | .219 | .177 | .244 | .239 | .250 | .95 | .229 | .179 | .248 | .237 | .239 |

RUN = 599 POINT = 15

TABLE 125 CONCLUDED

| (M) ALPHA = .29 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .275 | .582 | .756 | .681 |
| .05 | -.141 | -.234 | -.285 | -.417 | -.217 |
| .10 | -.186 | -.229 | -.460 | -.386 | -.230 |
| .20 | -.201 | -.272 | -.404 | -.322 | -.237 |
| .30 | -.151 | -.332 | -.417 | -.337 | -.237 |
| .40 | -.179 | -.329 | -.289 | -.309 | -.270 |
| .50 | -.212 | -.760 | -.317 | -.324 | -.272 |
| .60 | -.233 | -.285 | -.327 | -.335 | -.275 |
| .67 | | | -.312 | | |
| .70 | -.242 | -.325 | | -.357 | -.317 |
| .80 | -.274 | | | -.370 | -.462 |
| .84 | | | .103 | | |
| .86 | | -.492 | | | |
| .90 | | | | -.244 | -.272 |
| .91 | -.363 | | | | |
| .95 | -.115 | -.063 | .161 | -.089 | -.077 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.046 | -.186 | -.390 | -.589 | -.647 |
| .10 | -.112 | .133 | -.424 | -.629 | -.771 |
| .20 | -.188 | .231 | -.397 | -.570 | -.704 |
| .30 | -.221 | -.257 | -.408 | -.488 | -.578 |
| .40 | -.207 | -.278 | -.390 | -.444 | -.223 |
| .50 | -.160 | -.302 | -.297 | -.218 | -.191 |
| .60 | -.140 | -.197 | -.220 | -.160 | -.071 |
| .67 | | | -.038 | | |
| .70 | -.086 | -.007 | | .090 | .117 |
| .80 | .040 | | | .243 | .247 |
| .84 | | | .274 | | |
| .86 | | .195 | | | |
| .90 | | | | .317 | .302 |
| .91 | .139 | | | | |
| .95 | .193 | .208 | .332 | .326 | .295 |

RUN = 599 POINT = 9

TABLE 125 CONTINUED

RUN = 599 POINT = 10

| (G) ALPHA = 3.98 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.067 | .063 | .388 | .694 | .738 | 0.00 | -.106 | -.023 | .318 | .655 | .728 |
| .05 | -.359 | -.706 | -.991 | -.869 | -.768 | .05 | -.416 | -.917 | -1.084 | -.949 | -.845 |
| .10 | -.380 | -.606 | -.960 | -.919 | -.818 | .10 | -.429 | -.787 | -1.122 | -.995 | -.899 |
| .20 | -.340 | -.521 | -.783 | -.895 | -.802 | .20 | -.386 | -.572 | -.995 | -.982 | -.890 |
| .30 | -.259 | -.532 | -.726 | -.864 | -.794 | .30 | -.292 | -.582 | -.765 | -.947 | -.867 |
| .40 | -.259 | -.570 | -.633 | -.847 | -.778 | .40 | -.285 | -.607 | -.681 | -.930 | -.860 |
| .50 | -.331 | -.490 | -.583 | -.823 | -.783 | .50 | -.343 | -.536 | -.635 | -.927 | -.864 |
| .60 | -.354 | -.526 | -.616 | -.663 | -.792 | .60 | -.382 | -.571 | -.673 | -.930 | -.890 |
| .67 | | | -.570 | | | .67 | | | -.618 | | |
| .70 | -.389 | -.545 | | -.642 | -.818 | .70 | -.429 | -.588 | | -.794 | -.817 |
| .80 | -.446 | | | -.290 | -.371 | .80 | -.478 | | | -.344 | -.408 |
| .84 | | | .108 | | | .84 | | | .107 | | |
| .86 | | -.401 | | | | .86 | | -.416 | | | |
| .90 | | | | -.117 | -.158 | .90 | | | | -.145 | -.253 |
| .91 | -.412 | | | | | .91 | -.458 | | | | |
| .95 | -.199 | -.144 | .165 | -.045 | -.056 | .95 | -.285 | -.198 | .166 | -.079 | -.173 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .069 | .156 | .103 | -.043 | -.028 | .05 | .085 | .214 | .192 | .042 | .053 |
| .10 | .018 | .114 | -.011 | -.133 | -.182 | .10 | .049 | .157 | .056 | -.049 | -.092 |
| .20 | -.043 | .095 | -.094 | -.172 | -.184 | .20 | -.010 | .113 | -.042 | -.108 | -.120 |
| .30 | -.067 | -.045 | -.139 | -.187 | -.170 | .30 | -.038 | -0.000 | -.101 | -.132 | -.138 |
| .40 | -.062 | -.087 | -.152 | -.203 | -.158 | .40 | -.032 | -.051 | -.125 | -.162 | -.139 |
| .50 | -.030 | -.121 | -.153 | -.157 | -.119 | .50 | -0.000 | -.089 | -.130 | -.141 | -.108 |
| .60 | -.018 | -.085 | -.161 | -.125 | -.028 | .60 | .004 | -.065 | -.141 | -.127 | -.038 |
| .67 | | | -.022 | | | .67 | | | -.016 | | |
| .70 | .007 | .026 | | .105 | .145 | .70 | .031 | .041 | | .102 | .128 |
| .80 | .116 | | | .272 | .312 | .80 | .123 | | | .274 | .297 |
| .84 | | | .276 | | | .84 | | | .268 | | |
| .86 | | .230 | | | | .86 | | .227 | | | |
| .90 | | | | .344 | .386 | .90 | | | | .346 | .362 |
| .91 | .178 | | | | | .91 | .183 | | | | |
| .95 | .188 | .186 | .306 | .333 | .375 | .95 | .187 | .176 | .293 | .334 | .334 |

RUN = 599 POINT = 11

TABLE 125

CONTINUED

RUN = 599 POINT = 12

| (I) ALPHA = 6.09 DEGREES | | | | | | (J) ALPHA = 8.11 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.159 | -.112 | .239 | .608 | .714 | 0.00 | -.264 | -.293 | .076 | .492 | .666 |
| .05 | -.502 | -1.076 | -1.187 | -1.035 | -.943 | .05 | -.671 | -1.178 | -1.317 | -1.187 | -1.093 |
| .10 | -.492 | -1.025 | -1.231 | -1.079 | -.983 | .10 | -.635 | -1.178 | -1.295 | -1.211 | -1.128 |
| .20 | -.431 | -.627 | -1.159 | -1.055 | -.970 | .20 | -.501 | -1.033 | -1.221 | -1.183 | -1.107 |
| .30 | -.316 | -.628 | -1.006 | -1.031 | -.955 | .30 | -.383 | -.904 | -1.008 | -1.159 | -1.066 |
| .40 | -.309 | -.648 | -.720 | -1.019 | -.939 | .40 | -.359 | -.791 | -.919 | -1.145 | -1.012 |
| .50 | -.376 | -.575 | -.686 | -1.028 | -.937 | .50 | -.435 | -.649 | -.862 | -1.108 | -1.020 |
| .60 | -.419 | -.618 | -.705 | -1.031 | -.925 | .60 | -.495 | -.657 | -.851 | -1.020 | -.646 |
| .67 | | | -.665 | | | .67 | | | -.792 | | |
| .70 | -.462 | -.626 | | -1.013 | -.649 | .70 | -.557 | -.658 | | -.718 | -.452 |
| .80 | -.518 | | | -.619 | -.413 | .80 | -.596 | | | -.579 | -.385 |
| .84 | | | .114 | | | .84 | | | .122 | | |
| .86 | | -.467 | | | | .86 | | -.489 | | | |
| .90 | | | | -.298 | -.307 | .90 | | | | -.490 | -.353 |
| .91 | -.507 | | | | | .91 | -.575 | | | | |
| .95 | -.404 | -.225 | .177 | -.184 | -.262 | .95 | -.555 | -.255 | .186 | -.429 | -.341 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .109 | .289 | .292 | .149 | .150 | .05 | .126 | .361 | .424 | .300 | .288 |
| .10 | .079 | .211 | .138 | .034 | -.002 | .10 | .129 | .272 | .269 | .175 | .120 |
| .20 | .025 | .145 | .025 | -.040 | -.061 | .20 | .098 | .191 | .136 | .058 | .025 |
| .30 | .008 | .052 | -.038 | -.080 | -.083 | .30 | .081 | .127 | .054 | -.001 | -.026 |
| .40 | .010 | -.005 | -.078 | -.122 | -.104 | .40 | .073 | .073 | .007 | -.049 | -.068 |
| .50 | .036 | -.045 | -.093 | -.117 | -.092 | .50 | .094 | .020 | -.036 | -.080 | -.092 |
| .60 | .036 | -.032 | -.117 | -.104 | -.040 | .60 | .088 | .020 | -.071 | -.092 | -.062 |
| .67 | | | -.001 | | | .67 | | | .025 | | |
| .70 | .059 | .056 | | .110 | .112 | .70 | .103 | .084 | | .085 | .073 |
| .80 | .145 | | | .281 | .281 | .80 | .172 | | | .255 | .246 |
| .84 | | | .277 | | | .84 | | | .286 | | |
| .86 | | .235 | | | | .86 | | .254 | | | |
| .90 | | | | .345 | .337 | .90 | | | | .307 | .305 |
| .91 | .197 | | | | | .91 | .219 | | | | |
| .95 | .188 | .175 | .294 | .335 | .304 | .95 | .208 | .178 | .295 | .274 | .269 |

RUN = 598 POINT = 3

TABLE 126

WING PRESSURE COEFFICIENTS

RUN = 598 POINT = 4

| (A) ALPHA = -.83 DEGREES | | | | | | (B) ALPHA = .25 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .031 | .309 | .618 | .753 | .652 | 0.00 | .024 | .290 | .602 | .764 | .693 |
| .05 | -.083 | -.094 | -.119 | -.211 | -.070 | .05 | -.139 | -.206 | -.237 | -.383 | -.238 |
| .10 | -.123 | -.111 | -.310 | -.220 | -.116 | .10 | -.169 | -.200 | -.453 | -.385 | -.246 |
| .20 | -.153 | -.182 | -.272 | -.237 | -.162 | .20 | -.194 | -.261 | -.384 | -.357 | -.268 |
| .30 | -.109 | -.243 | -.278 | -.269 | -.180 | .30 | -.141 | -.307 | -.407 | -.340 | -.264 |
| .40 | -.119 | -.256 | -.218 | -.243 | -.214 | .40 | -.148 | -.337 | -.303 | -.303 | -.284 |
| .50 | -.161 | 1.103 | -.266 | -.278 | -.221 | .50 | -.202 | .517 | -.349 | -.344 | -.280 |
| .60 | -.171 | -.235 | -.299 | -.280 | -.279 | .60 | -.219 | -.291 | -.322 | -.377 | -.324 |
| .67 | | | -.293 | | | .67 | | | -.355 | | |
| .70 | -.184 | -.291 | | -.359 | -.258 | .70 | -.240 | -.349 | | -.402 | -.324 |
| .80 | -.236 | | | -.288 | -.418 | .80 | -.282 | | | -.307 | -.405 |
| .84 | | | .075 | | | .84 | | | .104 | | |
| .86 | | -.233 | | | | .86 | | -.232 | | | |
| .90 | | | | -.224 | -.276 | .90 | | | | -.215 | -.289 |
| .91 | -.157 | | | | | .91 | -.227 | | | | |
| .95 | -.125 | -.055 | .106 | -.066 | -.057 | .95 | -.118 | -.049 | .156 | -.066 | -.070 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.071 | -.303 | -.601 | -.676 | -.703 | .05 | -.034 | -.178 | -.381 | -.534 | -.596 |
| .10 | -.132 | 1.062 | -.544 | -.775 | -.851 | .10 | -.091 | .531 | -.402 | -.614 | -.743 |
| .20 | -.209 | 1.715 | -.526 | -.730 | -.844 | .20 | -.171 | 1.324 | -.392 | -.584 | -.716 |
| .30 | -.278 | -.326 | -.507 | -.681 | -.819 | .30 | -.228 | -.264 | -.418 | -.542 | -.672 |
| .40 | -.230 | -.338 | -.520 | -.687 | -.776 | .40 | -.202 | -.284 | -.439 | -.581 | -.601 |
| .50 | -.186 | -.413 | -.591 | -.657 | -.419 | .50 | -.150 | -.337 | -.418 | -.219 | -.125 |
| .60 | -.178 | -.322 | -.237 | -.125 | -.022 | .60 | -.141 | -.241 | -.226 | -.133 | -.033 |
| .67 | | | -.038 | | | .67 | | | -.036 | | |
| .70 | -.148 | -.040 | | .105 | .112 | .70 | -.101 | -.018 | | .106 | .139 |
| .80 | .003 | | | .234 | .217 | .80 | .039 | | | .266 | .282 |
| .84 | | | .213 | | | .84 | | | .264 | | |
| .86 | | .145 | | | | .86 | | .187 | | | |
| .90 | | | | .307 | .254 | .90 | | | | .331 | .344 |
| .91 | .117 | | | | | .91 | .138 | | | | |
| .95 | 1.299 | .193 | .307 | .323 | .257 | .95 | .855 | .202 | .333 | .321 | .331 |

| (C) ALPHA = 1.18 DEGREES | | | | | | (D) ALPHA = 1.95 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .008 | .260 | .563 | .758 | .722 | 0.00 | -.003 | .227 | .534 | .755 | .735 |
| .05 | -.170 | -.290 | -.403 | -.538 | -.420 | .05 | -.213 | -.365 | -.534 | -.618 | -.514 |
| .10 | -.202 | -.278 | -.551 | -.554 | -.402 | .10 | -.236 | -.357 | -.639 | -.664 | -.530 |
| .20 | -.233 | -.326 | -.458 | -.469 | -.406 | .20 | -.261 | -.367 | -.515 | -.611 | -.535 |
| .30 | -.166 | -.366 | -.512 | -.463 | -.390 | .30 | -.185 | -.404 | -.565 | -.553 | -.505 |
| .40 | -.174 | -.376 | -.370 | -.364 | -.356 | .40 | -.193 | -.408 | -.419 | -.470 | -.472 |
| .50 | -.234 | .157 | -.407 | -.420 | -.381 | .50 | -.251 | -.067 | -.465 | -.451 | -.477 |
| .60 | -.240 | -.349 | -.387 | -.458 | -.379 | .60 | -.266 | -.400 | -.438 | -.505 | -.410 |
| .67 | | | -.410 | | | .67 | | | -.442 | | |
| .70 | -.265 | -.399 | | -.445 | -.370 | .70 | -.293 | -.421 | | -.525 | -.502 |
| .80 | -.329 | | | -.312 | -.372 | .80 | -.350 | | | -.468 | -.259 |
| .84 | | | .109 | | | .84 | | | .112 | | |
| .86 | | -.249 | | | | .86 | | -.276 | | | |
| .90 | | | | -.171 | -.339 | .90 | | | | -.126 | -.220 |
| .91 | -.280 | | | | | .91 | -.325 | | | | |
| .95 | -.134 | -.063 | .166 | -.048 | -.067 | .95 | -.181 | -.090 | .171 | -.030 | -.069 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.001 | -.076 | -.232 | -.409 | -.473 | .05 | .024 | -.017 | -.139 | -.299 | -.331 |
| .10 | -.067 | .272 | -.299 | -.497 | -.619 | .10 | -.037 | .152 | -.214 | -.386 | -.489 |
| .20 | -.138 | .977 | -.318 | -.467 | -.541 | .20 | -.111 | .712 | -.251 | -.371 | -.424 |
| .30 | -.176 | -.199 | -.355 | -.441 | -.481 | .30 | -.143 | -.147 | -.290 | -.353 | -.345 |
| .40 | -.164 | -.230 | -.366 | -.452 | -.212 | .40 | -.132 | -.186 | -.291 | -.384 | -.238 |
| .50 | -.117 | -.272 | -.301 | -.197 | -.166 | .50 | -.090 | -.216 | -.254 | -.202 | -.171 |
| .60 | -.107 | -.184 | -.217 | -.141 | -.053 | .60 | -.077 | -.161 | -.221 | -.147 | -.052 |
| .67 | | | -.043 | | | .67 | | | -.041 | | |
| .70 | -.064 | -.009 | | .104 | .131 | .70 | -.043 | .001 | | .104 | .139 |
| .80 | .061 | | | .268 | .271 | .80 | .079 | | | .265 | .289 |
| .84 | | | .272 | | | .84 | | | .280 | | |
| .86 | | .205 | | | | .86 | | .215 | | | |
| .90 | | | | .333 | .340 | .90 | | | | .335 | .360 |
| .91 | .152 | | | | | .91 | .161 | | | | |
| .95 | .593 | .201 | .330 | .330 | .330 | .95 | .433 | .198 | .323 | .338 | .353 |

RUN = 598 POINT = 7

TABLE 126 CONTINUED

RUN = 598 POINT = 8

| (E) ALPHA = 2.85 DEGREES | | | | | | (F) ALPHA = 3.38 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.024 | .165 | .484 | .742 | .742 | 0.00 | -.043 | .135 | .455 | .729 | .744 |
| .05 | -.292 | -.492 | -.762 | -.695 | -.616 | .05 | -.320 | -.561 | -.835 | -.746 | -.657 |
| .10 | -.305 | -.452 | -.740 | -.766 | -.646 | .10 | -.333 | -.497 | -.816 | -.809 | -.696 |
| .20 | -.294 | -.426 | -.606 | -.740 | -.649 | .20 | -.320 | -.459 | -.672 | -.777 | -.696 |
| .30 | -.213 | -.456 | -.610 | -.694 | -.639 | .30 | -.233 | -.480 | -.656 | -.751 | -.690 |
| .40 | -.217 | -.482 | -.480 | -.644 | -.628 | .40 | -.226 | -.502 | -.550 | -.738 | -.689 |
| .50 | -.283 | -.235 | -.509 | -.570 | -.627 | .50 | -.293 | -.341 | -.527 | -.654 | -.687 |
| .60 | -.300 | -.446 | -.528 | -.549 | -.630 | .60 | -.310 | -.464 | -.561 | -.619 | -.699 |
| .67 | | | -.490 | | | .67 | | | -.518 | | |
| .70 | -.332 | -.475 | | -.583 | -.649 | .70 | -.346 | -.493 | | -.602 | -.723 |
| .80 | -.381 | | | -.531 | -.525 | .80 | -.395 | | | -.526 | -.427 |
| .84 | | | .107 | | | .84 | | | .099 | | |
| .86 | | -.307 | | | | .86 | | -.324 | | | |
| .90 | | | | -.115 | -.135 | .90 | | | | -.132 | -.137 |
| .91 | -.373 | | | | | .91 | -.404 | | | | |
| .95 | -.230 | -.138 | .160 | -.053 | -.030 | .95 | -.261 | -.162 | .153 | -.084 | -.074 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .071 | -.010 | -.193 | -.174 | .05 | .054 | .113 | .035 | -.132 | -.123 |
| .10 | -.006 | .113 | -.117 | -.258 | -.382 | .10 | .005 | .117 | -.073 | -.204 | -.324 |
| .20 | -.083 | .510 | -.178 | -.285 | -.319 | .20 | -.066 | .386 | -.130 | -.248 | -.270 |
| .30 | -.107 | -.094 | -.219 | -.293 | -.273 | .30 | -.090 | -.071 | -.193 | -.255 | -.259 |
| .40 | -.098 | -.149 | -.234 | -.344 | -.244 | .40 | -.077 | -.120 | -.219 | -.303 | -.219 |
| .50 | -.058 | -.170 | -.224 | -.208 | -.177 | .50 | -.047 | -.154 | -.207 | -.209 | -.163 |
| .60 | -.049 | -.128 | -.212 | -.153 | -.055 | .60 | -.036 | -.122 | -.202 | -.160 | -.063 |
| .67 | | | -.043 | | | .67 | | | -.042 | | |
| .70 | -.019 | .009 | | .091 | .135 | .70 | -.006 | .014 | | .087 | .127 |
| .80 | .091 | | | .257 | .302 | .80 | .097 | | | .253 | .293 |
| .84 | | | .272 | | | .84 | | | .266 | | |
| .86 | | .212 | | | | .86 | | .217 | | | |
| .90 | | | | .327 | .381 | .90 | | | | .328 | .377 |
| .91 | .161 | | | | | .91 | .170 | | | | |
| .95 | .329 | .189 | .313 | .327 | .372 | .95 | .270 | .185 | .307 | .317 | .357 |

RUN = 598 POINT = 9

TABLE 126 CONTINUED

RUN = 598 POINT = 10

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.86 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.058 | .094 | .411 | .716 | .746 | 0.00 | -.094 | .007 | .361 | .682 | .742 |
| .05 | -.341 | -.658 | -.915 | -.795 | -.699 | .05 | -.405 | -.859 | -1.015 | -.882 | -.767 |
| .10 | -.356 | -.555 | -.913 | -.847 | -.749 | .10 | -.439 | -.707 | -1.062 | -.931 | -.826 |
| .20 | -.341 | -.473 | -.759 | -.832 | -.744 | .20 | -.396 | -.536 | -.941 | -.911 | -.828 |
| .30 | -.243 | -.505 | -.683 | -.801 | -.729 | .30 | -.259 | -.558 | -.713 | -.885 | -.803 |
| .40 | -.238 | -.529 | -.582 | -.795 | -.730 | .40 | -.261 | -.575 | -.645 | -.876 | -.800 |
| .50 | -.300 | -.419 | -.548 | -.788 | -.723 | .50 | -.322 | -.478 | -.599 | -.885 | -.791 |
| .60 | -.328 | -.499 | -.586 | -.663 | -.751 | .60 | -.356 | -.542 | -.639 | -.885 | -.831 |
| .67 | | | -.537 | | | .67 | | | -.597 | | |
| .70 | -.364 | -.510 | | -.619 | -.774 | .70 | -.396 | -.560 | | -.779 | -.845 |
| .80 | -.409 | | | -.525 | -.333 | .80 | -.443 | | | -.505 | -.351 |
| .84 | | | .107 | | | .84 | | | .107 | | |
| .86 | | -.336 | | | | .86 | | -.336 | | | |
| .90 | | | | -.150 | -.187 | .90 | | | | -.198 | -.286 |
| .91 | -.424 | | | | | .91 | -.454 | | | | |
| .95 | -.302 | -.190 | .160 | -.115 | -.162 | .95 | -.379 | -.233 | .166 | -.161 | -.259 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .069 | .160 | .096 | -.072 | -.058 | .05 | .089 | .221 | .194 | .018 | .021 |
| .10 | .024 | .136 | -.017 | -.153 | -.230 | .10 | .048 | .175 | .053 | -.076 | -.142 |
| .20 | -.041 | .310 | -.100 | -.201 | -.232 | .20 | -.013 | .264 | -.041 | -.124 | -.166 |
| .30 | -.069 | -.042 | -.153 | -.221 | -.218 | .30 | -.035 | -.008 | -.102 | -.170 | -.175 |
| .40 | -.065 | -.093 | -.179 | -.267 | -.211 | .40 | -.028 | -.061 | -.120 | -.212 | -.173 |
| .50 | -.024 | -.131 | -.179 | -.208 | -.161 | .50 | .001 | -.095 | -.150 | -.181 | -.161 |
| .60 | -.016 | -.104 | -.194 | -.157 | -.068 | .60 | .005 | -.074 | -.176 | -.152 | -.076 |
| .67 | | | -.034 | | | .67 | | | -.028 | | |
| .70 | .003 | .016 | | .089 | .121 | .70 | .026 | .031 | | .078 | .097 |
| .80 | .110 | | | .251 | .287 | .80 | .125 | | | .255 | .262 |
| .84 | | | .259 | | | .84 | | | .262 | | |
| .86 | | .221 | | | | .86 | | .221 | | | |
| .90 | | | | .319 | .360 | .90 | | | | .318 | .337 |
| .91 | .170 | | | | | .91 | .181 | | | | |
| .95 | .234 | .179 | .297 | .310 | .341 | .95 | .219 | .169 | .290 | .307 | .307 |

RUN = 598 POINT = 11

TABLE 126 CONTINUED

RUN = 598 POINT = 12

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.04 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.145 | -.078 | .274 | .637 | .727 | 0.00 | -.240 | -.246 | .126 | .521 | .682 |
| .05 | -.478 | -1.033 | -1.116 | -.956 | -.868 | .05 | -.657 | -1.145 | -1.248 | -1.110 | -1.015 |
| .10 | -.508 | -.990 | -1.165 | -1.011 | -.902 | .10 | -.629 | -1.138 | -1.222 | -1.136 | -1.047 |
| .20 | -.426 | -.583 | -1.093 | -.989 | -.899 | .20 | -.468 | -.992 | -1.139 | -1.112 | -1.036 |
| .30 | -.304 | -.592 | -.921 | -.967 | -.887 | .30 | -.379 | -.865 | -.955 | -1.092 | -1.019 |
| .40 | -.282 | -.613 | -.675 | -.967 | -.878 | .40 | -.336 | -.721 | -.876 | -1.088 | -.986 |
| .50 | -.346 | -.526 | -.660 | -.966 | -.878 | .50 | -.407 | -.606 | -.833 | -1.085 | -.982 |
| .60 | -.385 | -.588 | -.675 | -.978 | -.907 | .60 | -.461 | -.617 | -.816 | -1.050 | -.837 |
| .67 | | | -.645 | | | .67 | | | -.776 | | |
| .70 | -.437 | -.599 | | -.975 | -.768 | .70 | -.524 | -.621 | | -.924 | -.557 |
| .80 | -.482 | | | -.676 | -.398 | .80 | -.564 | | | -.671 | -.459 |
| .84 | | | .109 | | | .84 | | | .113 | | |
| .86 | | -.376 | | | | .86 | | -.440 | | | |
| .90 | | | | -.444 | -.325 | .90 | | | | -.535 | -.396 |
| .91 | -.497 | | | | | .91 | -.551 | | | | |
| .95 | -.482 | -.274 | .168 | -.314 | -.308 | .95 | -.549 | -.313 | .185 | -.477 | -.379 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .107 | .279 | .284 | .125 | .116 | .05 | .129 | .368 | .420 | .285 | .258 |
| .10 | .082 | .219 | .132 | .015 | -.049 | .10 | .127 | .283 | .256 | .148 | .094 |
| .20 | .028 | .253 | .022 | -.063 | -.101 | .20 | .093 | .266 | .128 | .041 | .004 |
| .30 | .007 | .051 | -.046 | -.114 | -.122 | .30 | .075 | .130 | .041 | -.022 | -.051 |
| .40 | .013 | -.005 | -.070 | -.155 | -.140 | .40 | .075 | .073 | -.004 | -.077 | -.100 |
| .50 | .035 | -.056 | -.112 | -.162 | -.138 | .50 | .095 | .020 | -.046 | -.118 | -.112 |
| .60 | .035 | -.045 | -.147 | -.140 | -.084 | .60 | .091 | .009 | -.088 | -.124 | -.086 |
| .67 | | | -.017 | | | .67 | | | .015 | | |
| .70 | .050 | .049 | | .082 | .083 | .70 | .095 | .081 | | .075 | .062 |
| .80 | .140 | | | .255 | .255 | .80 | .170 | | | .248 | .237 |
| .84 | | | .262 | | | .84 | | | .271 | | |
| .86 | | .232 | | | | .86 | | .249 | | | |
| .90 | | | | .324 | .317 | .90 | | | | .294 | .298 |
| .91 | .193 | | | | | .91 | .209 | | | | |
| .95 | .211 | .168 | .278 | .297 | .288 | .95 | .359 | .169 | .280 | .270 | .268 |

| (K) ALPHA = 10.04 DEGREES | | | | | | (L) ALPHA = 11.90 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.379 | -.445 | -.044 | .413 | .618 | 0.00 | -.479 | -.604 | -.221 | .283 | .553 |
| .05 | -.805 | -1.164 | -1.246 | -1.240 | -1.151 | .05 | -.995 | -1.183 | -1.181 | -.701 | -.662 |
| .10 | -.803 | -1.169 | -1.299 | -1.248 | -1.156 | .10 | -.932 | -1.187 | -1.157 | -.708 | -.624 |
| .20 | -.497 | -1.143 | -1.177 | -1.198 | -1.111 | .20 | -.548 | -1.217 | -1.072 | -.686 | -.600 |
| .30 | -.430 | -1.160 | -1.114 | -1.165 | -1.064 | .30 | -.451 | -1.279 | -1.006 | -.668 | -.579 |
| .40 | -.391 | -1.156 | -1.014 | -1.081 | -.957 | .40 | -.412 | -1.322 | -.927 | -.646 | -.565 |
| .50 | -.465 | -.839 | -.869 | -.959 | -.929 | .50 | -.475 | -1.030 | -.833 | -.628 | -.574 |
| .60 | -.523 | -.867 | -.941 | -.798 | -.635 | .60 | -.510 | -1.292 | -.797 | -.617 | -.529 |
| .67 | | | -.671 | | | .67 | | | -.737 | | |
| .70 | -.594 | -.578 | | -.695 | -.518 | .70 | -.568 | -1.032 | | -.613 | -.510 |
| .80 | -.635 | | | -.617 | -.492 | .80 | -.624 | | | -.606 | -.501 |
| .84 | | | .127 | | | .84 | | | .136 | | |
| .86 | | -.389 | | | | .86 | | -.349 | | | |
| .90 | | | | -.542 | -.460 | .90 | | | | -.589 | -.486 |
| .91 | -.613 | | | | | .91 | -.633 | | | | |
| .95 | -.589 | -.295 | .187 | -.503 | -.454 | .95 | -.257 | -.501 | .215 | -.573 | -.481 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .137 | .417 | .517 | .409 | .372 | .05 | .131 | .452 | .593 | .500 | .455 |
| .10 | .170 | .340 | .358 | .258 | .203 | .10 | .191 | .388 | .438 | .347 | .277 |
| .20 | .154 | .294 | .220 | .141 | .076 | .20 | .211 | .324 | .298 | .200 | .144 |
| .30 | .150 | .198 | .119 | .047 | .011 | .30 | .198 | .266 | .191 | .109 | .071 |
| .40 | .129 | .134 | .070 | -.005 | -.051 | .40 | .191 | .198 | .134 | .045 | -.005 |
| .50 | .152 | .083 | .006 | -.084 | -.087 | .50 | .200 | .138 | .061 | -.045 | -.059 |
| .60 | .133 | .059 | -.048 | -.115 | -.073 | .60 | .185 | .110 | .007 | -.092 | -.059 |
| .67 | | | .032 | | | .67 | | | .063 | | |
| .70 | .135 | .117 | | .059 | .061 | .70 | .180 | .155 | | .063 | .054 |
| .80 | .200 | | | .234 | .232 | .80 | .236 | | | .232 | .228 |
| .84 | | | .271 | | | .84 | | | .278 | | |
| .86 | | .268 | | | | .86 | | .296 | | | |
| .90 | | | | .291 | .301 | .90 | | | | .285 | .291 |
| .91 | .234 | | | | | .91 | .262 | | | | |
| .95 | .320 | .183 | .269 | .258 | .258 | .95 | .301 | .215 | .265 | .249 | .254 |

RUN = 598 POINT = 15

TABLE 126 CONCLUDED

| X/C | (M) ALPHA = .25 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .015 | .279 | .602 | .757 | .689 |
| .05 | -.129 | -.211 | -.249 | -.379 | -.224 |
| .10 | -.175 | -.220 | -.437 | -.399 | -.255 |
| .20 | -.198 | -.272 | -.388 | -.366 | -.279 |
| .30 | -.142 | -.303 | -.437 | -.321 | -.268 |
| .40 | -.157 | -.346 | -.307 | -.308 | -.280 |
| .50 | -.205 | -.741 | -.350 | -.352 | -.265 |
| .60 | -.224 | -.305 | -.337 | -.374 | -.330 |
| .67 | | | -.348 | | |
| .70 | -.248 | -.346 | | -.404 | -.327 |
| .80 | -.294 | | | -.319 | -.417 |
| .84 | | | .098 | | |
| .86 | | -.243 | | | |
| .90 | | | | -.226 | -.294 |
| .91 | -.441 | | | | |
| .95 | -.125 | -.050 | .150 | -.070 | -.068 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.036 | -.191 | -.395 | -.546 | -.606 |
| .10 | -.105 | .146 | -.390 | -.621 | -.744 |
| .20 | -.185 | .263 | -.419 | -.576 | -.725 |
| .30 | -.235 | -.254 | -.419 | -.548 | -.673 |
| .40 | -.205 | -.290 | -.441 | -.583 | -.603 |
| .50 | -.159 | -.343 | -.404 | -.212 | -.115 |
| .60 | -.142 | -.241 | -.233 | -.134 | -.034 |
| .67 | | | -.042 | | |
| .70 | -.105 | -.016 | | .105 | .134 |
| .80 | .030 | | | .263 | .280 |
| .84 | | | .265 | | |
| .86 | | .182 | | | |
| .90 | | | | .326 | .345 |
| .91 | .136 | | | | |
| .95 | .238 | .208 | .331 | .318 | .326 |

RUN = 630 POINT = 1

TABLE 127

WING PRESSURE COEFFICIENTS

RUN = 630 POINT = 2

| (A) ALPHA = -.54 DEGREES | | | | | | (B) ALPHA = .29 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .279 | .563 | .718 | .583 | 0.00 | .015 | .267 | .533 | .734 | .663 |
| .05 | -.118 | -.180 | -.260 | -.270 | -.098 | .05 | -.146 | -.269 | -.398 | -.431 | -.260 |
| .10 | -.160 | -.194 | -.386 | -.258 | -.130 | .10 | -.193 | -.283 | -.487 | -.376 | -.248 |
| .20 | -.184 | -.242 | -.287 | -.241 | -.171 | .20 | -.205 | -.301 | -.362 | -.329 | -.236 |
| .30 | -.138 | -.305 | -.321 | -.251 | -.180 | .30 | -.173 | -.366 | -.368 | -.309 | -.236 |
| .40 | -.150 | -.289 | -.266 | -.235 | -.202 | .40 | -.187 | -.333 | -.305 | -.282 | -.258 |
| .50 | -.194 | -.754 | -.295 | -.256 | -.204 | .50 | -.225 | -.586 | -.313 | -.294 | -.260 |
| .60 | -.194 | -.266 | -.333 | -.266 | -.228 | .60 | -.221 | -.293 | -.358 | -.300 | -.269 |
| .67 | | | -.331 | | | .67 | | | -.345 | | |
| .70 | -.204 | -.313 | | -.294 | -.252 | .70 | -.223 | -.337 | | -.321 | -.299 |
| .80 | -.236 | | | -.317 | -.278 | .80 | -.253 | | | -.341 | -.328 |
| .84 | | | -.161 | | | .84 | | | -.168 | | |
| .86 | | -.796 | | | | .86 | | -.752 | | | |
| .90 | | | | -.253 | -.317 | .90 | | | | -.266 | -.341 |
| .91 | -.352 | | | | | .91 | -.285 | | | | |
| .95 | -.142 | -.256 | -.218 | -.124 | -.176 | .95 | -.136 | -.267 | -.222 | -.137 | -.169 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.086 | -.277 | -.520 | -.661 | -.822 | .05 | -.036 | -.141 | -.327 | -.434 | -.497 |
| .10 | -.152 | -.165 | -.471 | -.573 | -.794 | .10 | -.110 | -.160 | -.329 | -.429 | -.532 |
| .20 | -.196 | -.056 | -.366 | -.417 | -.388 | .20 | -.162 | -.085 | -.272 | -.352 | -.367 |
| .30 | -.220 | -.264 | -.303 | -.319 | -.310 | .30 | -.183 | -.200 | -.245 | -.292 | -.247 |
| .40 | -.212 | -.244 | -.221 | -.297 | -.286 | .40 | -.177 | -.198 | -.184 | -.239 | -.252 |
| .50 | -.154 | -.192 | -.157 | -.229 | -.223 | .50 | -.122 | -.166 | -.137 | -.200 | -.195 |
| .60 | -.110 | -.077 | -.088 | -.178 | -.100 | .60 | -.084 | -.058 | -.077 | -.167 | -.087 |
| .67 | | | .016 | | | .67 | | | .024 | | |
| .70 | -.038 | .159 | | .042 | .075 | .70 | -.016 | .173 | | .056 | .088 |
| .80 | .091 | | | .179 | .179 | .80 | .109 | | | .227 | .220 |
| .84 | | | .180 | | | .84 | | | .225 | | |
| .86 | | .345 | | | | .86 | | .363 | | | |
| .90 | | | | .234 | .223 | .90 | | | | .292 | .277 |
| .91 | .167 | | | | | .91 | .177 | | | | |
| .95 | .067 | .290 | .237 | .249 | .231 | .95 | .111 | .290 | .264 | .290 | .273 |

RUN = 630 POINT = 3

TABLE 127 CONTINUED

RUN = 630 POINT = 4

| (C) ALPHA = 1.18 DEGREES | | | | | | (D) ALPHA = 2.04 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .212 | .470 | .714 | .709 | 0.00 | -.016 | .153 | .397 | .687 | .716 |
| .05 | -.193 | -.395 | -.568 | -.640 | -.447 | .05 | -.245 | -.533 | -.772 | -.904 | -.664 |
| .10 | -.237 | -.361 | -.633 | -.503 | -.366 | .10 | -.289 | -.465 | -.782 | -.747 | -.530 |
| .20 | -.251 | -.377 | -.443 | -.410 | -.321 | .20 | -.283 | -.445 | -.537 | -.428 | -.402 |
| .30 | -.201 | -.425 | -.421 | -.345 | -.308 | .30 | -.230 | -.481 | -.475 | -.395 | -.354 |
| .40 | -.213 | -.378 | -.352 | -.341 | -.305 | .40 | -.245 | -.432 | -.394 | -.387 | -.330 |
| .50 | -.255 | -.504 | -.354 | -.333 | -.305 | .50 | -.297 | -.477 | -.390 | -.376 | -.337 |
| .60 | -.251 | -.320 | -.386 | -.337 | -.314 | .60 | -.297 | -.347 | -.416 | -.368 | -.347 |
| .67 | | | -.364 | | | .67 | | | -.386 | | |
| .70 | -.253 | -.358 | | -.351 | -.316 | .70 | -.283 | -.380 | | -.366 | -.354 |
| .80 | -.279 | | | -.359 | -.344 | .80 | -.297 | | | -.360 | -.369 |
| .84 | | | -.188 | | | .84 | | | -.190 | | |
| .86 | | -.712 | | | | .86 | | -.679 | | | |
| .90 | | | | -.271 | -.370 | .90 | | | | -.249 | -.367 |
| .91 | -.265 | | | | | .91 | -.267 | | | | |
| .95 | -.153 | -.271 | -.227 | -.128 | -.192 | .95 | -.144 | -.281 | -.228 | -.116 | -.172 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.003 | -.063 | -.167 | -.275 | -.292 | .05 | .025 | .015 | -.055 | -.112 | -.130 |
| .10 | -.065 | -.120 | -.241 | -.288 | -.329 | .10 | -.034 | -.069 | -.129 | -.196 | -.215 |
| .20 | -.121 | -.097 | -.212 | -.273 | -.284 | .20 | -.090 | -.085 | -.155 | -.196 | -.222 |
| .30 | -.153 | -.154 | -.200 | -.239 | -.227 | .30 | -.118 | -.105 | -.145 | -.190 | -.187 |
| .40 | -.137 | -.154 | -.155 | -.220 | -.208 | .40 | -.112 | -.115 | -.116 | -.180 | -.178 |
| .50 | -.089 | -.136 | -.109 | -.169 | -.166 | .50 | -.068 | -.107 | -.077 | -.147 | -.137 |
| .60 | -.061 | -.039 | -.058 | -.145 | -.071 | .60 | -.036 | -.020 | -.040 | -.128 | -.059 |
| .67 | | | .035 | | | .67 | | | .042 | | |
| .70 | .004 | .181 | | .067 | .097 | .70 | .021 | .189 | | .079 | .105 |
| .80 | .120 | | | .240 | .258 | .80 | .139 | | | .245 | .281 |
| .84 | | | .231 | | | .84 | | | .237 | | |
| .86 | | .381 | | | | .86 | | .389 | | | |
| .90 | | | | .303 | .314 | .90 | | | | .312 | .346 |
| .91 | .190 | | | | | .91 | .199 | | | | |
| .95 | .138 | .294 | .280 | .304 | .308 | .95 | .161 | .296 | .270 | .305 | .329 |

RUN = 630 POINT = 5

TABLE 127 CONTINUED

RUN = 630 POINT = 6

| (E) ALPHA = 2.94 DEGREES | | | | | | (F) ALPHA = 3.37 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.045 | .062 | .323 | .631 | .717 | 0.00 | -.061 | .024 | .283 | .603 | .704 |
| .05 | -.295 | -.670 | -1.088 | -1.113 | -.947 | .05 | -.323 | -.709 | -1.207 | -1.197 | -1.065 |
| .10 | -.339 | -.568 | -.977 | -1.036 | -.863 | .10 | -.363 | -.613 | -1.080 | -1.164 | -.969 |
| .20 | -.327 | -.520 | -.718 | -.453 | -.403 | .20 | -.339 | -.547 | -.752 | -.972 | -.353 |
| .30 | -.265 | -.544 | -.518 | -.408 | -.394 | .30 | -.281 | -.589 | -.619 | -.382 | -.390 |
| .40 | -.271 | -.514 | -.417 | -.414 | -.386 | .40 | -.293 | -.530 | -.425 | -.408 | -.398 |
| .50 | -.321 | -.486 | -.417 | -.406 | -.385 | .50 | -.341 | -.506 | -.427 | -.402 | -.401 |
| .60 | -.331 | -.373 | -.435 | -.392 | -.386 | .60 | -.347 | -.391 | -.427 | -.394 | -.399 |
| .67 | | | -.401 | | | .67 | | | -.403 | | |
| .70 | -.317 | -.395 | | -.381 | -.372 | .70 | -.337 | -.411 | | -.386 | -.375 |
| .80 | -.325 | | | -.365 | -.372 | .80 | -.331 | | | -.363 | -.373 |
| .84 | | | -.203 | | | .84 | | | -.201 | | |
| .86 | | -.653 | | | | .86 | | -.629 | | | |
| .90 | | | | -.246 | -.372 | .90 | | | | -.248 | -.351 |
| .91 | -.281 | | | | | .91 | -.287 | | | | |
| .95 | -.153 | -.272 | -.221 | -.113 | -.162 | .95 | -.157 | -.276 | -.219 | -.117 | -.147 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .054 | .099 | .066 | -.003 | -.021 | .05 | .058 | .131 | .113 | .052 | .041 |
| .10 | -.001 | .004 | -.042 | -.115 | -.096 | .10 | .010 | .057 | -.013 | -.050 | -.042 |
| .20 | -.057 | -.053 | -.101 | -.125 | -.142 | .20 | -.047 | -.021 | -.068 | -.095 | -.118 |
| .30 | -.087 | -.068 | -.097 | -.138 | -.140 | .30 | -.073 | -.051 | -.082 | -.119 | -.118 |
| .40 | -.083 | -.080 | -.083 | -.140 | -.140 | .40 | -.067 | -.063 | -.066 | -.125 | -.125 |
| .50 | -.041 | -.080 | -.050 | -.113 | -.114 | .50 | -.033 | -.065 | -.039 | -.097 | -.101 |
| .60 | -.011 | 0.000 | -.013 | -.112 | -.049 | .60 | -.001 | .014 | -.005 | -.101 | -.033 |
| .67 | | | .064 | | | .67 | | | .070 | | |
| .70 | .040 | .200 | | .089 | .109 | .70 | .046 | .204 | | .092 | .117 |
| .80 | .150 | | | .254 | .283 | .80 | .158 | | | .261 | .280 |
| .84 | | | .228 | | | .84 | | | .234 | | |
| .86 | | .400 | | | | .86 | | .402 | | | |
| .90 | | | | .320 | .352 | .90 | | | | .328 | .346 |
| .91 | .210 | | | | | .91 | .214 | | | | |
| .95 | .178 | .293 | .259 | .304 | .326 | .95 | .186 | .295 | .261 | .307 | .331 |

RUN = 630 POINT = 7

TABLE 127 CONTINUED

RUN = 630 POINT = 8

| (G) ALPHA = 3.98 DEGREES | | | | | | (H) ALPHA = 4.97 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.079 | -.035 | .212 | .560 | .691 | 0.00 | -.135 | -.157 | .108 | .479 | .649 |
| .05 | -.362 | -.760 | -1.331 | -1.269 | -1.167 | .05 | -.429 | -1.044 | -1.505 | -1.391 | -1.307 |
| .10 | -.398 | -.718 | -1.270 | -1.279 | -1.097 | .10 | -.455 | -.819 | -1.430 | -1.411 | -1.305 |
| .20 | -.356 | -.604 | -.822 | -1.150 | -.973 | .20 | -.409 | -.717 | -1.120 | -1.299 | -1.171 |
| .30 | -.301 | -.642 | -.805 | -.426 | -.411 | .30 | -.339 | -.722 | -.932 | -1.211 | -1.043 |
| .40 | -.311 | -.571 | -.448 | -.350 | -.376 | .40 | -.351 | -.697 | -.653 | -.470 | -.303 |
| .50 | -.364 | -.535 | -.429 | -.385 | -.376 | .50 | -.417 | -.596 | -.453 | -.321 | -.314 |
| .60 | -.370 | -.406 | -.440 | -.383 | -.397 | .60 | -.431 | -.483 | -.437 | -.325 | -.334 |
| .67 | | | -.394 | | | .67 | | | -.382 | | |
| .70 | -.366 | -.412 | | -.383 | -.371 | .70 | -.419 | -.447 | | -.337 | -.351 |
| .80 | -.349 | | | -.362 | -.373 | .80 | -.393 | | | -.329 | -.355 |
| .84 | | | -.192 | | | .84 | | | -.190 | | |
| .86 | | -.604 | | | | .86 | | -.596 | | | |
| .90 | | | | -.245 | -.378 | .90 | | | | -.235 | -.347 |
| .91 | -.299 | | | | | .91 | -.325 | | | | |
| .95 | -.151 | -.271 | -.218 | -.126 | -.163 | .95 | -.169 | -.265 | -.206 | -.118 | -.177 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .076 | .174 | .181 | .105 | .104 | .05 | .086 | .239 | .268 | .205 | .195 |
| .10 | .034 | .110 | .029 | -.015 | .017 | .10 | .058 | .154 | .127 | .067 | .087 |
| .20 | -.023 | .023 | -.030 | -.054 | -.067 | .20 | .004 | .057 | .029 | -.007 | -.017 |
| .30 | -.045 | -.012 | -.044 | -.089 | -.078 | .30 | -.009 | .025 | -.009 | -.040 | -.041 |
| .40 | -.041 | -.029 | -.054 | -.093 | -.101 | .40 | -.013 | .001 | -.018 | -.056 | -.060 |
| .50 | -.005 | -.043 | -.017 | -.081 | -.076 | .50 | .022 | -.014 | .004 | -.054 | -.051 |
| .60 | .014 | .029 | .002 | -.080 | -.021 | .60 | .038 | .051 | .026 | -.058 | -.004 |
| .67 | | | .082 | | | .67 | | | .098 | | |
| .70 | .064 | .220 | | .100 | .124 | .70 | .078 | .223 | | .117 | .137 |
| .80 | .168 | | | .269 | .296 | .80 | .178 | | | .275 | .297 |
| .84 | | | .240 | | | .84 | | | .241 | | |
| .86 | | .412 | | | | .86 | | .411 | | | |
| .90 | | | | .333 | .356 | .90 | | | | .330 | .356 |
| .91 | .222 | | | | | .91 | .232 | | | | |
| .95 | .202 | .301 | .260 | .319 | .335 | .95 | .208 | .296 | .264 | .321 | .328 |

| (I) ALPHA = 6.09 DEGREES | | | | | | (J) ALPHA = 7.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.204 | -.284 | -.002 | .395 | .606 | 0.00 | -.359 | -.503 | -.182 | .284 | .531 |
| .05 | -.518 | -1.296 | -1.591 | -1.501 | -1.411 | .05 | -.687 | -1.495 | -1.426 | -.970 | -1.516 |
| .10 | -.528 | -1.042 | -1.573 | -1.481 | -1.407 | .10 | -.657 | -1.405 | -1.354 | -.909 | -1.429 |
| .20 | -.456 | -.780 | -1.486 | -1.424 | -1.333 | .20 | -.527 | -1.068 | -1.234 | -.825 | -1.085 |
| .30 | -.376 | -.767 | -.985 | -1.332 | -1.292 | .30 | -.437 | -.886 | -1.102 | -.746 | -.850 |
| .40 | -.384 | -.771 | -.815 | -.940 | -.913 | .40 | -.459 | -.740 | -.955 | -.656 | -.594 |
| .50 | -.452 | -.664 | -.609 | -.481 | -.982 | .50 | -.527 | -.691 | -.829 | -.601 | -.588 |
| .60 | -.484 | -.628 | -.432 | -.328 | -.454 | .60 | -.549 | -.521 | -.750 | -.509 | -.525 |
| .67 | | | -.357 | | | .67 | | | -.643 | | |
| .70 | -.508 | -.480 | | -.278 | -.296 | .70 | -.509 | -.527 | | -.458 | -.369 |
| .80 | -.462 | | | -.264 | -.276 | .80 | -.475 | | | -.405 | -.340 |
| .84 | | | -.169 | | | .84 | | | -.370 | | |
| .86 | | -.579 | | | | .86 | | -.578 | | | |
| .90 | | | | -.176 | -.287 | .90 | | | | -.360 | -.331 |
| .91 | -.358 | | | | | .91 | -.395 | | | | |
| .95 | -.192 | -.248 | -.177 | -.096 | -.141 | .95 | -.202 | -.250 | -.438 | -.333 | -.217 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .103 | .288 | .342 | .284 | .277 | .05 | .113 | .341 | .439 | .366 | .331 |
| .10 | .091 | .213 | .192 | .141 | .154 | .10 | .121 | .262 | .284 | .212 | .207 |
| .20 | .049 | .110 | .090 | .057 | .038 | .20 | .091 | .155 | .163 | .095 | .062 |
| .30 | .035 | .074 | .043 | .004 | .008 | .30 | .075 | .129 | .100 | .030 | .006 |
| .40 | .029 | .044 | .032 | -.014 | -.021 | .40 | .071 | .084 | .077 | -.006 | -.035 |
| .50 | .051 | .027 | .043 | -.024 | -.022 | .50 | .093 | .056 | .061 | -.055 | -.052 |
| .60 | .063 | .076 | .051 | -.035 | .019 | .60 | .097 | .095 | .050 | -.091 | -.030 |
| .67 | | | .118 | | | .67 | | | .097 | | |
| .70 | .101 | .243 | | .128 | .147 | .70 | .125 | .246 | | .051 | .093 |
| .80 | .201 | | | .284 | .306 | .80 | .207 | | | .210 | .268 |
| .84 | | | .262 | | | .84 | | | .228 | | |
| .86 | | .425 | | | | .86 | | .420 | | | |
| .90 | | | | .340 | .362 | .90 | | | | .268 | .322 |
| .91 | .253 | | | | | .91 | .255 | | | | |
| .95 | .227 | .306 | .284 | .323 | .341 | .95 | .231 | .289 | .232 | .233 | .292 |

RUN = 630 POINT = 11

TABLE 127 CONTINUED

RUN = 630 POINT = 12

| (K) ALPHA = 9.79 DEGREES | | | | | | (L) ALPHA = 11.62 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.479 | -.684 | -.340 | .204 | .497 | 0.00 | -.501 | -.898 | -.461 | .101 | .465 |
| .05 | -.852 | -1.519 | -1.121 | -.751 | -.914 | .05 | -1.053 | -1.515 | -.837 | -.700 | -.575 |
| .10 | -.760 | -1.511 | -1.127 | -.745 | -.699 | .10 | -.872 | -1.509 | -.853 | -.676 | -.532 |
| .20 | -.593 | -1.458 | -.963 | -.698 | -.634 | .20 | -.650 | -1.433 | -.862 | -.660 | -.547 |
| .30 | -.495 | -1.327 | -.878 | -.690 | -.608 | .30 | -.574 | -1.238 | -.851 | -.660 | -.549 |
| .40 | -.517 | -1.016 | -.852 | -.655 | -.551 | .40 | -.584 | -1.047 | -.819 | -.641 | -.521 |
| .50 | -.620 | -.818 | -.810 | -.618 | -.556 | .50 | -.652 | -.898 | -.784 | -.625 | -.521 |
| .60 | -.612 | -.497 | -.775 | -.579 | -.517 | .60 | -.584 | -.849 | -.754 | -.607 | -.517 |
| .67 | | | -.733 | | | .67 | | | -.733 | | |
| .70 | -.487 | -.529 | | -.550 | -.467 | .70 | -.574 | -.746 | | -.594 | -.484 |
| .80 | -.441 | | | -.505 | -.425 | .80 | -.554 | | | -.588 | -.482 |
| .84 | | | -.436 | | | .84 | | | -.447 | | |
| .86 | | -.565 | | | | .86 | | -.573 | | | |
| .90 | | | | -.493 | -.416 | .90 | | | | -.566 | -.473 |
| .91 | -.403 | | | | | .91 | -.459 | | | | |
| .95 | -.255 | -.438 | -.642 | -.462 | -.379 | .95 | -.323 | -.589 | -.670 | -.541 | -.441 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .385 | .513 | .440 | .386 | .05 | .097 | .407 | .572 | .501 | .439 |
| .10 | .152 | .317 | .362 | .265 | .249 | .10 | .163 | .364 | .421 | .336 | .309 |
| .20 | .142 | .206 | .224 | .140 | .089 | .20 | .185 | .267 | .283 | .187 | .137 |
| .30 | .122 | .188 | .156 | .056 | .027 | .30 | .179 | .236 | .195 | .095 | .063 |
| .40 | .122 | .125 | .103 | .007 | -.036 | .40 | .169 | .173 | .140 | .040 | -.012 |
| .50 | .140 | .099 | .076 | -.056 | -.064 | .50 | .171 | .120 | .097 | -.036 | -.048 |
| .60 | .134 | .109 | .042 | -.110 | -.062 | .60 | .163 | .137 | .051 | -.100 | -.052 |
| .67 | | | .078 | | | .67 | | | .075 | | |
| .70 | .142 | .248 | | .031 | .052 | .70 | .165 | .250 | | .029 | .044 |
| .80 | .223 | | | .188 | .220 | .80 | .229 | | | .188 | .206 |
| .84 | | | .195 | | | .84 | | | .185 | | |
| .86 | | .416 | | | | .86 | | .407 | | | |
| .90 | | | | .251 | .274 | .90 | | | | .234 | .255 |
| .91 | .251 | | | | | .91 | .250 | | | | |
| .95 | .241 | .268 | .187 | .198 | .222 | .95 | .256 | .228 | .181 | .188 | .206 |

RUN = 630 POINT = 13

TABLE 127 CONCLUDED

| X/C | (M) ALPHA = .37 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .256 | .523 | .728 | .659 |
| .05 | -.153 | -.288 | -.406 | -.454 | -.257 |
| .10 | -.204 | -.292 | -.506 | -.391 | -.242 |
| .20 | -.214 | -.308 | -.362 | -.354 | -.251 |
| .30 | -.169 | -.370 | -.372 | -.309 | -.246 |
| .40 | -.184 | -.335 | -.317 | -.283 | -.253 |
| .50 | -.226 | -.668 | -.325 | -.297 | -.261 |
| .60 | -.232 | -.307 | -.364 | -.305 | -.279 |
| .67 | | | -.347 | | |
| .70 | -.236 | -.341 | | -.325 | -.300 |
| .80 | -.258 | | | -.340 | -.326 |
| .84 | | | -.175 | | |
| .86 | | -.502 | | | |
| .90 | | | | -.266 | -.337 |
| .91 | -.340 | | | | |
| .95 | -.141 | -.268 | -.228 | -.132 | -.171 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.043 | -.154 | -.301 | -.429 | -.488 |
| .10 | -.099 | .147 | -.344 | -.419 | -.527 |
| .20 | -.159 | .216 | -.275 | -.344 | -.363 |
| .30 | -.190 | -.201 | -.244 | -.287 | -.249 |
| .40 | -.167 | -.199 | -.183 | -.242 | -.242 |
| .50 | -.125 | -.165 | -.136 | -.201 | -.194 |
| .60 | -.085 | -.057 | -.077 | -.162 | -.087 |
| .67 | | | .020 | | |
| .70 | -.019 | .172 | | .051 | .087 |
| .80 | .107 | | | .225 | .225 |
| .84 | | | .225 | | |
| .86 | | .356 | | | |
| .90 | | | | .294 | .277 |
| .91 | .180 | | | | |
| .95 | .222 | .287 | .266 | .296 | .275 |

RUN = 629 POINT = 1

TABLE 128

WING PRESSURE COEFFICIENTS

RUN = 629 POINT = 2

| (A) ALPHA = -.68 DEGREES | | | | | | (B) ALPHA = .35 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .020 | .294 | .587 | .732 | .617 | 0.00 | .015 | .278 | .560 | .744 | .685 |
| .05 | -.105 | -.131 | -.178 | -.235 | -.093 | .05 | -.145 | -.242 | -.309 | -.425 | -.255 |
| .10 | -.152 | -.169 | -.322 | -.244 | -.147 | .10 | -.190 | -.246 | -.478 | -.392 | -.261 |
| .20 | -.171 | -.229 | -.273 | -.260 | -.168 | .20 | -.207 | -.284 | -.409 | -.344 | -.258 |
| .30 | -.124 | -.281 | -.307 | -.260 | -.183 | .30 | -.160 | -.341 | -.381 | -.368 | -.265 |
| .40 | -.137 | -.281 | -.248 | -.255 | -.222 | .40 | -.169 | -.354 | -.300 | -.295 | -.305 |
| .50 | -.190 | -.558 | -.288 | -.295 | -.227 | .50 | -.220 | -.474 | -.311 | -.313 | -.305 |
| .60 | -.190 | -.256 | -.311 | -.343 | -.249 | .60 | -.227 | -.300 | -.364 | -.366 | -.305 |
| .67 | | | -.317 | | | .67 | | | -.349 | | |
| .70 | -.197 | -.301 | | -.306 | -.286 | .70 | -.237 | -.324 | | -.409 | -.319 |
| .80 | -.244 | | | -.350 | -.340 | .80 | -.274 | | | -.344 | -.378 |
| .84 | | | -.159 | | | .84 | | | -.165 | | |
| .86 | | -.609 | | | | .86 | | -.580 | | | |
| .90 | | | | -.240 | -.390 | .90 | | | | -.257 | -.439 |
| .91 | -.334 | | | | | .91 | -.304 | | | | |
| .95 | -.176 | -.328 | -.212 | -.088 | -.142 | .95 | -.184 | -.334 | -.213 | -.096 | -.142 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.084 | -.298 | -.615 | -.701 | -.777 | .05 | -.038 | -.175 | -.372 | -.517 | -.627 |
| .10 | -.148 | -.089 | -.549 | -.799 | -.847 | .10 | -.107 | -.118 | -.385 | -.539 | -.667 |
| .20 | -.216 | .067 | -.475 | -.626 | -.822 | .20 | -.171 | .008 | -.374 | -.431 | -.506 |
| .30 | -.252 | -.309 | -.444 | -.357 | -.566 | .30 | -.205 | -.231 | -.312 | -.374 | -.317 |
| .40 | -.238 | -.307 | -.253 | -.412 | -.281 | .40 | -.194 | -.233 | -.240 | -.321 | -.275 |
| .50 | -.180 | -.269 | -.183 | -.258 | -.218 | .50 | -.141 | -.207 | -.158 | -.222 | -.209 |
| .60 | -.145 | -.091 | -.108 | -.176 | -.091 | .60 | -.102 | -.071 | -.092 | -.175 | -.086 |
| .67 | | | -.002 | | | .67 | | | .011 | | |
| .70 | -.066 | .154 | | .052 | .085 | .70 | -.031 | .173 | | .067 | .104 |
| .80 | .080 | | | .167 | .207 | .80 | .100 | | | .220 | .217 |
| .84 | | | .170 | | | .84 | | | .207 | | |
| .86 | | .327 | | | | .86 | | .358 | | | |
| .90 | | | | .223 | .257 | .90 | | | | .291 | .270 |
| .91 | .162 | | | | | .91 | .182 | | | | |
| .95 | .174 | .287 | .223 | .243 | .250 | .95 | .178 | .290 | .259 | .300 | .270 |

RUN = 629 POINT = 3

TABLE 128 CONTINUED

RUN = 629 POINT = 4

| (C) ALPHA = 1.22 DEGREES | | | | | | (D) ALPHA = 2.06 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | 0.000 | .234 | .522 | .739 | .718 | 0.00 | -.016 | .187 | .469 | .715 | .724 |
| .05 | -.196 | -.349 | -.463 | -.655 | -.448 | .05 | -.231 | -.439 | -.661 | -.748 | -.687 |
| .10 | -.235 | -.318 | -.588 | -.642 | -.408 | .10 | -.276 | -.420 | -.704 | -.808 | -.694 |
| .20 | -.243 | -.351 | -.493 | -.488 | -.354 | .20 | -.270 | -.420 | -.579 | -.707 | -.647 |
| .30 | -.188 | -.427 | -.552 | -.400 | -.349 | .30 | -.209 | -.468 | -.638 | -.638 | -.581 |
| .40 | -.196 | -.417 | -.385 | -.334 | -.361 | .40 | -.224 | -.483 | -.449 | -.478 | -.300 |
| .50 | -.256 | -.451 | -.399 | -.367 | -.361 | .50 | -.291 | -.456 | -.494 | -.454 | -.366 |
| .60 | -.265 | -.343 | -.372 | -.398 | -.378 | .60 | -.304 | -.438 | -.466 | -.436 | -.276 |
| .67 | | | -.359 | | | .67 | | | -.419 | | |
| .70 | -.288 | -.372 | | -.481 | -.345 | .70 | -.327 | -.453 | | -.295 | -.392 |
| .80 | -.325 | | | -.420 | -.352 | .80 | -.392 | | | -.403 | -.451 |
| .84 | | | -.175 | | | .84 | | | -.203 | | |
| .86 | | -.561 | | | | .86 | | -.545 | | | |
| .90 | | | | -.235 | -.415 | .90 | | | | -.268 | -.376 |
| .91 | -.310 | | | | | .91 | -.334 | | | | |
| .95 | -.164 | -.334 | -.215 | -.090 | -.158 | .95 | -.190 | -.332 | -.199 | -.099 | -.154 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.010 | -.080 | -.217 | -.321 | -.356 | .05 | .026 | .019 | -.076 | -.189 | -.189 |
| .10 | -.068 | -.103 | -.253 | -.372 | -.451 | .10 | -.036 | -.050 | -.165 | -.262 | -.296 |
| .20 | -.141 | -.026 | -.257 | -.339 | -.371 | .20 | -.102 | -.031 | -.189 | -.249 | -.276 |
| .30 | -.168 | -.177 | -.248 | -.299 | -.293 | .30 | -.130 | -.124 | -.184 | -.238 | -.246 |
| .40 | -.155 | -.188 | -.193 | -.297 | -.243 | .40 | -.119 | -.135 | -.149 | -.229 | -.208 |
| .50 | -.110 | -.169 | -.134 | -.206 | -.182 | .50 | -.076 | -.133 | -.099 | -.169 | -.163 |
| .60 | -.082 | -.050 | -.078 | -.165 | -.075 | .60 | -.053 | -.033 | -.057 | -.140 | -.062 |
| .67 | | | .020 | | | .67 | | | .035 | | |
| .70 | -.008 | .182 | | .079 | .112 | .70 | .011 | .191 | | .089 | .115 |
| .80 | .122 | | | .247 | .256 | .80 | .137 | | | .257 | .287 |
| .84 | | | .223 | | | .84 | | | .223 | | |
| .86 | | .375 | | | | .86 | | .397 | | | |
| .90 | | | | .313 | .318 | .90 | | | | .318 | .358 |
| .91 | .199 | | | | | .91 | .206 | | | | |
| .95 | .184 | .291 | .269 | .306 | .310 | .95 | .191 | .295 | .267 | .318 | .342 |

RUN = 629 POINT = 5

TABLE 128 CONTINUED

RUN = 629 POINT = 6

| (E) ALPHA = 3.01 DEGREES | | | | | | (F) ALPHA = 3.51 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .114 | .413 | .694 | .729 | 0.00 | -.058 | .082 | .377 | .678 | .728 |
| .05 | -.288 | -.542 | -.915 | -.856 | -.776 | .05 | -.316 | -.644 | -1.003 | -.903 | -.820 |
| .10 | -.318 | -.537 | -.854 | -.906 | -.812 | .10 | -.352 | -.580 | -.931 | -.958 | -.857 |
| .20 | -.306 | -.484 | -.686 | -.867 | -.785 | .20 | -.328 | -.511 | -.762 | -.911 | -.839 |
| .30 | -.239 | -.527 | -.705 | -.816 | -.769 | .30 | -.255 | -.562 | -.728 | -.879 | -.826 |
| .40 | -.248 | -.536 | -.536 | -.748 | -.750 | .40 | -.262 | -.563 | -.599 | -.817 | -.798 |
| .50 | -.314 | -.489 | -.563 | -.603 | -.757 | .50 | -.337 | -.516 | -.607 | -.701 | -.796 |
| .60 | -.338 | -.495 | -.550 | -.557 | -.689 | .60 | -.352 | -.526 | -.592 | -.580 | -.791 |
| .67 | | | -.493 | | | .67 | | | -.526 | | |
| .70 | -.370 | -.512 | | -.457 | -.363 | .70 | -.391 | -.531 | | -.628 | -.412 |
| .80 | -.436 | | | -.263 | -.267 | .80 | -.449 | | | -.252 | -.367 |
| .84 | | | -.247 | | | .84 | | | -.253 | | |
| .86 | | -.544 | | | | .86 | | -.545 | | | |
| .90 | | | | -.217 | -.337 | .90 | | | | -.183 | -.263 |
| .91 | -.372 | | | | | .91 | -.401 | | | | |
| .95 | -.209 | -.353 | -.202 | -.078 | -.184 | .95 | -.215 | -.365 | -.215 | -.060 | -.185 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .046 | .086 | .025 | -.080 | -.075 | .05 | .063 | .137 | .078 | -.011 | -.032 |
| .10 | -.003 | .007 | -.069 | -.162 | -.172 | .10 | .008 | .056 | -.033 | -.117 | -.107 |
| .20 | -.063 | -.018 | -.116 | -.179 | -.203 | .20 | -.054 | .005 | -.089 | -.159 | -.176 |
| .30 | -.091 | -.084 | -.129 | -.197 | -.184 | .30 | -.077 | -.055 | -.110 | -.168 | -.169 |
| .40 | -.089 | -.100 | -.105 | -.195 | -.176 | .40 | -.073 | -.087 | -.089 | -.166 | -.161 |
| .50 | -.044 | -.102 | -.073 | -.151 | -.129 | .50 | -.034 | -.085 | -.060 | -.135 | -.114 |
| .60 | -.020 | -.011 | -.036 | -.120 | -.039 | .60 | -.011 | .001 | -.029 | -.122 | -.027 |
| .67 | | | .047 | | | .67 | | | .052 | | |
| .70 | .029 | .200 | | .099 | .135 | .70 | .038 | .207 | | .102 | .142 |
| .80 | .149 | | | .267 | .298 | .80 | .153 | | | .270 | .307 |
| .84 | | | .223 | | | .84 | | | .217 | | |
| .86 | | .400 | | | | .86 | | .407 | | | |
| .90 | | | | .333 | .378 | .90 | | | | .336 | .390 |
| .91 | .205 | | | | | .91 | .213 | | | | |
| .95 | .194 | .291 | .252 | .330 | .363 | .95 | .199 | .288 | .248 | .331 | .371 |

RUN = 629 POINT = 7

TABLE 128 CONTINUED

RUN = 629 POINT = 8

| (G) ALPHA = 4.03 DEGREES | | | | | | (H) ALPHA = 5.04 DEGREES | | | | | |
|--------------------------|-------|-------|--------|--------|-------|--------------------------|-------|-------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.077 | .029 | .342 | .652 | .720 | 0.00 | -.117 | -.055 | .264 | .612 | .710 |
| .05 | -.350 | -.754 | -1.055 | -.956 | -.860 | .05 | -.436 | -.932 | -1.164 | -1.036 | -.950 |
| .10 | -.395 | -.651 | -1.045 | -1.000 | -.898 | .10 | -.431 | -.827 | -1.189 | -1.073 | -.988 |
| .20 | -.356 | -.550 | -.856 | -.978 | -.887 | .20 | -.388 | -.605 | -1.074 | -1.047 | -.967 |
| .30 | -.273 | -.588 | -.765 | -.934 | -.867 | .30 | -.304 | -.628 | -.803 | -1.022 | -.950 |
| .40 | -.277 | -.586 | -.637 | -.901 | -.853 | .40 | -.298 | -.650 | -.720 | -.998 | -.933 |
| .50 | -.354 | -.544 | -.627 | -.875 | -.851 | .50 | -.373 | -.586 | -.665 | -.989 | -.927 |
| .60 | -.371 | -.550 | -.629 | -.662 | -.847 | .60 | -.397 | -.601 | -.707 | -.970 | -.927 |
| .67 | | | -.557 | | | .67 | | | -.601 | | |
| .70 | -.414 | -.559 | | -.650 | -.813 | .70 | -.444 | -.607 | | -.780 | -.891 |
| .80 | -.473 | | | -.272 | -.414 | .80 | -.505 | | | -.344 | -.627 |
| .84 | | | -.268 | | | .84 | | | -.295 | | |
| .86 | | -.542 | | | | .86 | | -.550 | | | |
| .90 | | | | -.156 | -.285 | .90 | | | | -.130 | -.494 |
| .91 | -.429 | | | | -.142 | .91 | -.474 | | | | -.161 |
| .95 | -.228 | -.382 | -.233 | -.050 | | .95 | -.319 | -.414 | -.271 | -.050 | |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .070 | .172 | .139 | .033 | .015 | .05 | .090 | .236 | .223 | .124 | .094 |
| .10 | .029 | .103 | .015 | -.070 | -.069 | .10 | .060 | .155 | .084 | -.004 | .021 |
| .20 | -.038 | .036 | -.062 | -.114 | -.142 | .20 | .006 | .076 | .006 | -.068 | -.076 |
| .30 | -.062 | -.032 | -.090 | -.139 | -.140 | .30 | -.021 | .021 | -.039 | -.098 | -.090 |
| .40 | -.053 | -.057 | -.081 | -.148 | -.133 | .40 | -.014 | -.023 | -.056 | -.116 | -.109 |
| .50 | -.015 | -.070 | -.046 | -.124 | -.102 | .50 | .015 | -.039 | -.026 | -.107 | -.078 |
| .60 | .004 | .006 | -.024 | -.107 | -.012 | .60 | .030 | .025 | -.006 | -.099 | -.014 |
| .67 | | | .057 | | | .67 | | | .071 | | |
| .70 | .049 | .208 | | .105 | .153 | .70 | .073 | .221 | | .108 | .143 |
| .80 | .161 | | | .275 | .313 | .80 | .178 | | | .294 | .314 |
| .84 | | | .207 | | | .84 | | | .212 | | |
| .86 | | .405 | | | | .86 | | .419 | | | |
| .90 | | | | .344 | .394 | .90 | | | | .347 | .380 |
| .91 | .219 | | | | | .91 | .230 | | | | |
| .95 | .206 | .282 | .229 | .334 | .380 | .95 | .217 | .278 | .228 | .333 | .357 |

RUN = 629 POINT = 9

TABLE 128 CONTINUED

RUN = 629 POINT = 10

(I) ALPHA = 6.18 DEGREES

(J) ALPHA = 8.17 DEGREES

ETA .1902 ETA .2929 ETA .3809 ETA .5556 ETA .7111

ETA .1902 ETA .2929 ETA .3809 ETA .5556 ETA .7111

| X/C | CPU | CPU | CPU | CPU | CPU |
|------|-------|--------|--------|--------|--------|
| 0.00 | -.176 | -.152 | .181 | .553 | .682 |
| .05 | -.504 | -1.135 | -1.258 | -1.129 | -1.031 |
| .10 | -.514 | -1.081 | -1.277 | -1.155 | -1.071 |
| .20 | -.441 | -.659 | -1.198 | -1.117 | -1.043 |
| .30 | -.327 | -.683 | -1.053 | -1.089 | -1.040 |
| .40 | -.325 | -.694 | -.772 | -1.076 | -1.011 |
| .50 | -.396 | -.623 | -.726 | -1.071 | -1.005 |
| .60 | -.430 | -.655 | -.738 | -1.071 | -.992 |
| .67 | | | -.662 | | |
| .70 | -.486 | -.649 | | -.979 | -.773 |
| .80 | -.545 | | | -.493 | -.574 |
| .84 | | | -.317 | | |
| .86 | | -.556 | | | |
| .90 | | | | -.252 | -.434 |
| .91 | -.521 | | | | |
| .95 | -.389 | -.445 | -.313 | -.132 | -.256 |

| X/C | CPU | CPU | CPU | CPU | CPU |
|------|-------|--------|--------|--------|--------|
| 0.00 | -.294 | -.337 | .003 | .433 | .615 |
| .05 | -.628 | -1.231 | -1.383 | -1.278 | -1.196 |
| .10 | -.638 | -1.227 | -1.368 | -1.264 | -1.189 |
| .20 | -.529 | -1.029 | -1.334 | -1.243 | -1.164 |
| .30 | -.380 | -.934 | -1.151 | -1.207 | -1.143 |
| .40 | -.382 | -.829 | -1.004 | -1.170 | -1.070 |
| .50 | -.470 | -.706 | -.936 | -1.125 | -1.072 |
| .60 | -.513 | -.710 | -.884 | -.757 | -.906 |
| .67 | | | -.701 | | |
| .70 | -.587 | -.704 | | -.587 | -.647 |
| .80 | -.632 | | | -.479 | -.474 |
| .84 | | | -.370 | | |
| .86 | | -.572 | | | |
| .90 | | | | -.408 | -.393 |
| .91 | -.591 | | | | |
| .95 | -.623 | -.452 | -.406 | -.378 | -.327 |

| X/C | CPL | CPL | CPL | CPL | CPL |
|-----|------|-------|-------|-------|-------|
| .05 | .107 | .285 | .312 | .208 | .177 |
| .10 | .090 | .214 | .161 | .072 | .096 |
| .20 | .040 | .117 | .055 | -.006 | -.024 |
| .30 | .021 | .059 | .009 | -.051 | -.055 |
| .40 | .019 | .019 | -.009 | -.082 | -.081 |
| .50 | .045 | -.004 | .002 | -.084 | -.078 |
| .60 | .058 | .048 | .011 | -.091 | -.033 |
| .67 | | | .081 | | |
| .70 | .096 | .229 | | .106 | .117 |
| .80 | .191 | | | .278 | .281 |
| .84 | | | .219 | | |
| .86 | | .419 | | | |
| .90 | | | | .342 | .338 |
| .91 | .238 | | | | |
| .95 | .223 | .291 | .232 | .326 | .310 |

| X/C | CPL | CPL | CPL | CPL | CPL |
|-----|------|------|------|-------|-------|
| .05 | .126 | .361 | .435 | .349 | .303 |
| .10 | .134 | .273 | .286 | .202 | .185 |
| .20 | .106 | .169 | .158 | .083 | .047 |
| .30 | .091 | .139 | .096 | .021 | -.009 |
| .40 | .087 | .084 | .071 | -.023 | -.066 |
| .50 | .108 | .056 | .054 | -.067 | -.085 |
| .60 | .108 | .096 | .051 | -.101 | -.061 |
| .67 | | | .103 | | |
| .70 | .134 | .252 | | .066 | .073 |
| .80 | .220 | | | .233 | .246 |
| .84 | | | .237 | | |
| .86 | | .437 | | | |
| .90 | | | | .282 | .296 |
| .91 | .255 | | | | |
| .95 | .237 | .295 | .249 | .254 | .261 |

RUN = 629 POINT = 11

TABLE 128

CONTINUED

RUN = 629 POINT = 12

| (K) ALPHA = 9.93 DEGREES | | | | | | (L) ALPHA = 11.84 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.374 | -.518 | -.144 | .319 | .566 | 0.00 | -.392 | -.698 | -.321 | .213 | .513 |
| .05 | -.892 | -1.295 | -1.146 | -.770 | -.928 | .05 | -1.020 | -1.270 | -1.215 | -.648 | -.594 |
| .10 | -.765 | -1.293 | -1.095 | -.764 | -.854 | .10 | -.961 | -1.279 | -1.153 | -.644 | -.567 |
| .20 | -.574 | -1.233 | -1.008 | -.713 | -.667 | .20 | -.662 | -1.313 | -1.001 | -.646 | -.582 |
| .30 | -.462 | -1.250 | -.957 | -.688 | -.613 | .30 | -.517 | -1.377 | -.871 | -.646 | -.575 |
| .40 | -.447 | -1.167 | -.882 | -.675 | -.547 | .40 | -.470 | -1.406 | -.805 | -.633 | -.565 |
| .50 | -.550 | -.889 | -.772 | -.634 | -.544 | .50 | -.550 | -1.093 | -.790 | -.628 | -.556 |
| .60 | -.606 | -.559 | -.744 | -.609 | -.532 | .60 | -.588 | -.863 | -.773 | -.613 | -.549 |
| .67 | | | -.706 | | | .67 | | | -.744 | | |
| .70 | -.669 | -.499 | | -.574 | -.481 | .70 | -.696 | -.726 | | -.613 | -.525 |
| .80 | -.604 | | | -.550 | -.476 | .80 | -.524 | | | -.609 | -.511 |
| .84 | | | -.419 | | | .84 | | | -.437 | | |
| .86 | | -.563 | | | | .86 | | -.582 | | | |
| .90 | | | | -.536 | -.450 | .90 | | | | -.602 | -.498 |
| .91 | -.589 | | | | | .91 | -.547 | | | | |
| .95 | -.402 | -.546 | -.623 | -.515 | -.436 | .95 | -.427 | -.652 | -.671 | -.573 | -.479 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .123 | .402 | .514 | .425 | .360 | .05 | .121 | .435 | .577 | .508 | .434 |
| .10 | .157 | .325 | .358 | .272 | .243 | .10 | .181 | .367 | .430 | .340 | .327 |
| .20 | .151 | .213 | .228 | .135 | .075 | .20 | .203 | .264 | .300 | .200 | .132 |
| .30 | .138 | .198 | .153 | .046 | .006 | .30 | .196 | .247 | .213 | .107 | .056 |
| .40 | .129 | .136 | .108 | -.015 | -.059 | .40 | .186 | .188 | .162 | .033 | -.019 |
| .50 | .144 | .093 | .079 | -.077 | -.099 | .50 | .194 | .141 | .117 | -.044 | -.069 |
| .60 | .140 | .119 | .044 | -.135 | -.087 | .60 | .183 | .151 | .073 | -.116 | -.078 |
| .67 | | | .080 | | | .67 | | | .089 | | |
| .70 | .157 | .260 | | .023 | .037 | .70 | .188 | .279 | | .033 | .037 |
| .80 | .235 | | | .194 | .215 | .80 | .252 | | | .199 | .213 |
| .84 | | | .188 | | | .84 | | | .193 | | |
| .86 | | .432 | | | | .86 | | .439 | | | |
| .90 | | | | .249 | .272 | .90 | | | | .251 | .263 |
| .91 | .271 | | | | | .91 | .283 | | | | |
| .95 | .245 | .276 | .193 | .213 | .232 | .95 | .261 | .267 | .200 | .214 | .209 |

RUN = 629 POINT = 13

TABLE 128

CONCLUDED

| | (M) ALPHA = .38 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .012 | .269 | .559 | .746 | .673 |
| .05 | -.153 | -.257 | -.325 | -.448 | -.262 |
| .10 | -.194 | -.246 | -.468 | -.386 | -.271 |
| .20 | -.212 | -.289 | -.419 | -.350 | -.274 |
| .30 | -.162 | -.344 | -.399 | -.351 | -.278 |
| .40 | -.175 | -.357 | -.306 | -.295 | -.307 |
| .50 | -.227 | -.787 | -.316 | -.324 | -.304 |
| .60 | -.237 | -.301 | -.367 | -.368 | -.323 |
| .67 | | | -.355 | | |
| .70 | -.246 | -.325 | | -.433 | -.321 |
| .80 | -.279 | | | -.342 | -.390 |
| .84 | | | -.175 | | |
| .86 | | -.566 | | | |
| .90 | | | | -.255 | -.444 |
| .91 | -.401 | | | | |
| .95 | -.246 | -.340 | -.226 | -.102 | -.155 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.039 | -.173 | -.366 | -.495 | -.616 |
| .10 | -.106 | .138 | -.384 | -.550 | -.682 |
| .20 | -.173 | .217 | -.370 | -.417 | -.528 |
| .30 | -.209 | -.224 | -.317 | -.373 | -.311 |
| .40 | -.197 | -.243 | -.242 | -.324 | -.269 |
| .50 | -.143 | -.218 | -.159 | -.231 | -.218 |
| .60 | -.108 | -.075 | -.095 | -.178 | -.083 |
| .67 | | | .010 | | |
| .70 | -.035 | .170 | | .061 | .102 |
| .80 | .099 | | | .214 | .218 |
| .84 | | | .212 | | |
| .86 | | .360 | | | |
| .90 | | | | .287 | .270 |
| .91 | .185 | | | | |
| .95 | .224 | .289 | .264 | .297 | .268 |

RUN = 628 POINT = 1

TABLE 129

WING PRESSURE COEFFICIENTS

RUN = 628 POINT = 2

| (A) ALPHA = -.66 DEGREES | | | | | | (B) ALPHA = .31 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3909 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .299 | .599 | .736 | .628 | 0.00 | .014 | .281 | .577 | .750 | .681 |
| .05 | -.103 | -.127 | -.153 | -.218 | -.093 | .05 | -.142 | -.229 | -.279 | -.418 | -.250 |
| .10 | -.151 | -.155 | -.309 | -.229 | -.132 | .10 | -.187 | -.228 | -.431 | -.393 | -.253 |
| .20 | -.168 | -.212 | -.290 | -.245 | -.175 | .20 | -.202 | -.257 | -.404 | -.324 | -.269 |
| .30 | -.119 | -.267 | -.316 | -.269 | -.187 | .30 | -.148 | -.350 | -.423 | -.335 | -.275 |
| .40 | -.132 | -.284 | -.249 | -.245 | -.246 | .40 | -.163 | -.348 | -.307 | -.316 | -.303 |
| .50 | -.177 | -.577 | -.273 | -.271 | -.254 | .50 | -.216 | -.479 | -.331 | -.331 | -.305 |
| .60 | -.186 | -.256 | -.320 | -.327 | -.268 | .60 | -.224 | -.300 | -.339 | -.353 | -.327 |
| .67 | | | -.307 | | | .67 | | | -.326 | | |
| .70 | -.195 | -.288 | | -.413 | -.263 | .70 | -.244 | -.339 | | -.427 | -.366 |
| .80 | -.242 | | | -.431 | -.303 | .80 | -.291 | | | -.547 | -.378 |
| .84 | | | -.157 | | | .84 | | | -.167 | | |
| .86 | | -.607 | | | | .86 | | -.579 | | | |
| .90 | | | | -.211 | -.390 | .90 | | | | -.195 | -.363 |
| .91 | -.348 | | | | | .91 | -.311 | | | | |
| .95 | -.188 | -.340 | -.207 | -.073 | -.131 | .95 | -.179 | -.341 | -.204 | -.063 | -.119 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.080 | -.297 | -.593 | -.669 | -.737 | .05 | -.035 | -.178 | -.387 | -.534 | -.623 |
| .10 | -.142 | -.063 | -.536 | -.787 | -.837 | .10 | -.092 | -.107 | -.384 | -.594 | -.703 |
| .20 | -.207 | .116 | -.498 | -.691 | -.842 | .20 | -.177 | .046 | -.371 | -.438 | -.635 |
| .30 | -.251 | -.318 | -.474 | -.578 | -.781 | .30 | -.176 | -.232 | -.366 | -.387 | -.504 |
| .40 | -.236 | -.327 | -.438 | -.382 | -.416 | .40 | -.194 | -.260 | -.269 | -.375 | -.265 |
| .50 | -.186 | -.325 | -.167 | -.274 | -.182 | .50 | -.146 | -.243 | -.157 | -.246 | -.205 |
| .60 | -.160 | -.095 | -.115 | -.179 | -.067 | .60 | -.113 | -.075 | -.099 | -.172 | -.078 |
| .67 | | | -.006 | | | .67 | | | .003 | | |
| .70 | -.075 | .161 | | .059 | .107 | .70 | -.048 | .182 | | .075 | .113 |
| .80 | .075 | | | .190 | .238 | .80 | .098 | | | .213 | .232 |
| .84 | | | .174 | | | .84 | | | .207 | | |
| .86 | | .324 | | | | .86 | | .354 | | | |
| .90 | | | | .259 | .286 | .90 | | | | .281 | .285 |
| .91 | .166 | | | | | .91 | .185 | | | | |
| .95 | .190 | .296 | .236 | .271 | .276 | .95 | .187 | .296 | .256 | .292 | .280 |

RUN = 628 POINT = 3

TABLE 129 CONTINUED

RUN = 628 POINT = 4

| (C) ALPHA = 1.24 DEGREES | | | | | | (D) ALPHA = 2.04 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .003 | .250 | .536 | .741 | .712 | 0.00 | -.018 | .205 | .489 | .735 | .727 |
| .05 | -.189 | -.313 | -.446 | -.592 | -.473 | .05 | -.225 | -.412 | -.616 | -.687 | -.616 |
| .10 | -.224 | -.305 | -.541 | -.603 | -.451 | .10 | -.258 | -.382 | -.665 | -.754 | -.628 |
| .20 | -.233 | -.346 | -.472 | -.536 | -.430 | .20 | -.265 | -.401 | -.545 | -.669 | -.608 |
| .30 | -.179 | -.389 | -.543 | -.467 | -.379 | .30 | -.199 | -.454 | -.607 | -.607 | -.594 |
| .40 | -.187 | -.414 | -.378 | -.353 | -.361 | .40 | -.208 | -.457 | -.446 | -.524 | -.512 |
| .50 | -.248 | -.451 | -.436 | -.409 | -.356 | .50 | -.271 | -.456 | -.487 | -.468 | -.503 |
| .60 | -.270 | -.369 | -.399 | -.398 | -.386 | .60 | -.289 | -.418 | -.472 | -.506 | -.489 |
| .67 | | | -.372 | | | .67 | | | -.437 | | |
| .70 | -.290 | -.395 | | -.440 | -.382 | .70 | -.317 | -.452 | | -.486 | -.371 |
| .80 | -.346 | | | -.511 | -.432 | .80 | -.384 | | | -.471 | -.357 |
| .84 | | | -.182 | | | .84 | | | -.220 | | |
| .86 | | -.562 | | | | .86 | | -.547 | | | |
| .90 | | | | -.222 | -.434 | .90 | | | | -.173 | -.357 |
| .91 | -.335 | | | | | .91 | -.360 | | | | |
| .95 | -.264 | -.343 | -.204 | -.078 | -.154 | .95 | -.230 | -.356 | -.203 | -.054 | -.150 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.069 | -.235 | -.340 | -.413 | .05 | .024 | .012 | -.084 | -.223 | -.213 |
| .10 | -.064 | -.086 | -.280 | -.404 | -.472 | .10 | -.038 | -.043 | -.185 | -.294 | -.326 |
| .20 | -.120 | .003 | -.289 | -.358 | -.415 | .20 | -.080 | -.011 | -.207 | -.292 | -.321 |
| .30 | -.172 | -.176 | -.268 | -.331 | -.348 | .30 | -.142 | -.127 | -.205 | -.267 | -.276 |
| .40 | -.164 | -.198 | -.219 | -.351 | -.252 | .40 | -.127 | -.151 | -.173 | -.281 | -.225 |
| .50 | -.109 | -.185 | -.134 | -.221 | -.179 | .50 | -.079 | -.147 | -.110 | -.194 | -.165 |
| .60 | -.085 | -.060 | -.085 | -.173 | -.071 | .60 | -.056 | -.041 | -.066 | -.146 | -.059 |
| .67 | | | .014 | | | .67 | | | .025 | | |
| .70 | -.016 | .182 | | .084 | .118 | .70 | .005 | .192 | | .089 | .130 |
| .80 | .120 | | | .247 | .255 | .80 | .135 | | | .259 | .293 |
| .84 | | | .218 | | | .84 | | | .215 | | |
| .86 | | .377 | | | | .86 | | .397 | | | |
| .90 | | | | .317 | .321 | .90 | | | | .327 | .358 |
| .91 | .194 | | | | | .91 | .194 | | | | |
| .95 | .187 | .296 | .258 | .309 | .314 | .95 | .192 | .291 | .256 | .321 | .346 |

RUN = 628 POINT = 5

TABLE 129 CONTINUED

RUN = 628 POINT = 6

| (E) ALPHA = 3.03 DEGREES | | | | | | (F) ALPHA = 3.51 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.040 | .139 | .436 | .709 | .726 | 0.00 | -.049 | .107 | .410 | .696 | .729 |
| .05 | -.282 | -.535 | -.842 | -.777 | -.703 | .05 | -.324 | -.636 | -.912 | -.825 | -.739 |
| .10 | -.325 | -.485 | -.784 | -.838 | -.739 | .10 | -.337 | -.544 | -.862 | -.885 | -.783 |
| .20 | -.308 | -.450 | -.674 | -.804 | -.720 | .20 | -.324 | -.477 | -.716 | -.854 | -.771 |
| .30 | -.223 | -.504 | -.672 | -.766 | -.712 | .30 | -.237 | -.526 | -.690 | -.822 | -.761 |
| .40 | -.234 | -.504 | -.541 | -.695 | -.698 | .40 | -.239 | -.539 | -.570 | -.794 | -.737 |
| .50 | -.308 | -.478 | -.556 | -.594 | -.693 | .50 | -.318 | -.498 | -.567 | -.711 | -.737 |
| .60 | -.321 | -.483 | -.541 | -.549 | -.689 | .60 | -.328 | -.507 | -.580 | -.588 | -.744 |
| .67 | | | -.494 | | | .67 | | | -.512 | | |
| .70 | -.356 | -.493 | | -.601 | -.686 | .70 | -.374 | -.509 | | -.610 | -.745 |
| .80 | -.410 | | | -.558 | -.486 | .80 | -.429 | | | -.594 | -.612 |
| .84 | | | -.248 | | | .84 | | | -.264 | | |
| .86 | | -.539 | | | | .86 | | -.539 | | | |
| .90 | | | | -.126 | -.338 | .90 | | | | -.129 | -.471 |
| .91 | -.393 | | | | | .91 | -.422 | | | | |
| .95 | -.271 | -.381 | -.230 | -.042 | -.161 | .95 | -.296 | -.399 | -.236 | -.052 | -.138 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .045 | .088 | .008 | -.090 | -.108 | .05 | .063 | .132 | .061 | -.037 | -.073 |
| .10 | -.007 | .004 | -.089 | -.193 | -.224 | .10 | .009 | .059 | -.050 | -.151 | -.172 |
| .20 | -.046 | -.004 | -.148 | -.215 | -.244 | .20 | -.036 | .016 | -.104 | -.174 | -.206 |
| .30 | -.103 | -.084 | -.148 | -.218 | -.229 | .30 | -.075 | -.061 | -.129 | -.189 | -.206 |
| .40 | -.088 | -.107 | -.130 | -.245 | -.195 | .40 | -.075 | -.091 | -.106 | -.216 | -.184 |
| .50 | -.050 | -.122 | -.094 | -.180 | -.142 | .50 | -.034 | -.096 | -.077 | -.165 | -.136 |
| .60 | -.029 | -.027 | -.056 | -.150 | -.048 | .60 | -.014 | -.009 | -.050 | -.144 | -.042 |
| .67 | | | .031 | | | .67 | | | .039 | | |
| .70 | .021 | .196 | | .085 | .131 | .70 | .035 | .199 | | .091 | .140 |
| .80 | .141 | | | .256 | .305 | .80 | .151 | | | .257 | .310 |
| .84 | | | .204 | | | .84 | | | .207 | | |
| .86 | | .395 | | | | .86 | | .406 | | | |
| .90 | | | | .326 | .382 | .90 | | | | .316 | .388 |
| .91 | .210 | | | | | .91 | .212 | | | | |
| .95 | .195 | .276 | .237 | .319 | .372 | .95 | .203 | .283 | .227 | .320 | .381 |

RUN = 628 POINT = 7

TABLE 129 CONTINUED

RUN = 628 POINT = 8

| (G) ALPHA = 4.06 DEGREES | | | | | | (H) ALPHA = 5.01 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.067 | .054 | .373 | .682 | .724 | 0.00 | -.111 | -.020 | .299 | .640 | .713 |
| .05 | -.357 | -.699 | -.995 | -.884 | -.782 | .05 | -.419 | -.915 | -1.106 | -.972 | -.854 |
| .10 | -.383 | -.627 | -.989 | -.927 | -.830 | .10 | -.431 | -.758 | -1.114 | -1.008 | -.910 |
| .20 | -.335 | -.518 | -.829 | -.908 | -.815 | .20 | -.384 | -.564 | -1.002 | -.987 | -.902 |
| .30 | -.256 | -.552 | -.728 | -.875 | -.817 | .30 | -.290 | -.600 | -.762 | -.965 | -.897 |
| .40 | -.256 | -.573 | -.644 | -.851 | -.791 | .40 | -.286 | -.620 | -.699 | -.938 | -.876 |
| .50 | -.328 | -.526 | -.597 | -.841 | -.794 | .50 | -.342 | -.566 | -.645 | -.941 | -.876 |
| .60 | -.345 | -.530 | -.633 | -.721 | -.798 | .60 | -.371 | -.581 | -.675 | -.934 | -.876 |
| .67 | | | -.543 | | | .67 | | | -.600 | | |
| .70 | -.391 | -.541 | | -.632 | -.791 | .70 | -.425 | -.591 | | -.862 | -.832 |
| .80 | -.444 | | | -.656 | -.722 | .80 | -.477 | | | -.534 | -.641 |
| .84 | | | -.285 | | | .84 | | | -.310 | | |
| .86 | | -.541 | | | | .86 | | -.546 | | | |
| .90 | | | | -.142 | -.623 | .90 | | | | -.199 | -.519 |
| .91 | -.448 | | | | | .91 | -.482 | | | | |
| .95 | -.354 | -.423 | -.272 | -.081 | -.199 | .95 | -.419 | -.454 | -.308 | -.128 | -.240 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .076 | .160 | .122 | .005 | -.014 | .05 | .088 | .215 | .214 | .100 | .052 |
| .10 | .032 | .097 | 0.000 | -.102 | -.095 | .10 | .055 | .146 | .071 | -.031 | -.017 |
| .20 | -.019 | .046 | -.072 | -.146 | -.174 | .20 | .003 | .077 | -.016 | -.094 | -.120 |
| .30 | -.058 | -.037 | -.099 | -.171 | -.170 | .30 | -.018 | .008 | -.062 | -.134 | -.139 |
| .40 | -.053 | -.067 | -.084 | -.183 | -.174 | .40 | -.026 | -.030 | -.074 | -.163 | -.146 |
| .50 | -.016 | -.080 | -.059 | -.165 | -.129 | .50 | .012 | -.051 | -.040 | -.143 | -.115 |
| .60 | .004 | 0.000 | -.037 | -.141 | -.040 | .60 | .029 | .014 | -.027 | -.132 | -.055 |
| .67 | | | .043 | | | .67 | | | .049 | | |
| .70 | .044 | .207 | | .086 | .132 | .70 | .062 | .213 | | .083 | .110 |
| .80 | .159 | | | .255 | .306 | .80 | .167 | | | .259 | .280 |
| .84 | | | .198 | | | .84 | | | .199 | | |
| .86 | | .406 | | | | .86 | | .413 | | | |
| .90 | | | | .327 | .380 | .90 | | | | .326 | .350 |
| .91 | .214 | | | | | .91 | .225 | | | | |
| .95 | .203 | .276 | .216 | .315 | .363 | .95 | .212 | .277 | .219 | .305 | .321 |

RUN = 628 POINT = 9

TABLE 129 CONTINUED

RUN = 628 POINT = 10

| (I) ALPHA = 6.15 DEGREES | | | | | | (J) ALPHA = 8.18 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.165 | -.114 | .226 | .590 | .707 | 0.00 | -.271 | -.302 | .064 | .475 | .644 |
| .05 | -.508 | -1.086 | -1.184 | -1.043 | -.951 | .05 | -.695 | -1.184 | -1.317 | -1.201 | -1.102 |
| .10 | -.492 | -1.029 | -1.197 | -1.076 | -.992 | .10 | -.629 | -1.179 | -1.298 | -1.183 | -1.119 |
| .20 | -.455 | -.626 | -1.122 | -1.056 | -.973 | .20 | -.529 | -.992 | -1.266 | -1.156 | -1.087 |
| .30 | -.306 | -.645 | -1.046 | -1.024 | -.968 | .30 | -.368 | -.891 | -1.100 | -1.144 | -1.080 |
| .40 | -.300 | -.658 | -.738 | -1.005 | -.947 | .40 | -.355 | -.777 | -.957 | -1.124 | -1.047 |
| .50 | -.372 | -.598 | -.701 | -1.004 | -.942 | .50 | -.440 | -.673 | -.886 | -1.118 | -1.044 |
| .60 | -.400 | -.620 | -.712 | -1.018 | -.933 | .60 | -.485 | -.673 | -.861 | -1.075 | -1.008 |
| .67 | | | -.656 | | | .67 | | | -.781 | | |
| .70 | -.457 | -.626 | | -1.004 | -.817 | .70 | -.558 | -.679 | | -.782 | -.655 |
| .80 | -.512 | | | -.624 | -.593 | .80 | -.595 | | | -.595 | -.525 |
| .84 | | | -.328 | | | .84 | | | -.419 | | |
| .86 | | -.551 | | | | .86 | | -.561 | | | |
| .90 | | | | -.357 | -.470 | .90 | | | | -.469 | -.448 |
| .91 | -.514 | | | | | .91 | -.568 | | | | |
| .95 | -.516 | -.475 | -.333 | -.283 | -.300 | .95 | -.588 | -.567 | -.458 | -.415 | -.374 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .110 | .284 | .304 | .192 | .148 | .05 | .123 | .357 | .428 | .335 | .281 |
| .10 | .090 | .202 | .158 | .053 | .059 | .10 | .131 | .264 | .271 | .183 | .160 |
| .20 | .066 | .120 | .046 | -.027 | -.068 | .20 | .103 | .163 | .152 | .073 | .023 |
| .30 | .016 | .055 | -.005 | -.074 | -.087 | .30 | .085 | .135 | .086 | .006 | -.027 |
| .40 | .020 | .014 | -.025 | -.115 | -.117 | .40 | .083 | .083 | .057 | -.043 | -.087 |
| .50 | .051 | -.011 | -.007 | -.110 | -.112 | .50 | .101 | .059 | .044 | -.081 | -.101 |
| .60 | .057 | .044 | .001 | -.121 | -.059 | .60 | .105 | .092 | .043 | -.123 | -.078 |
| .67 | | | .068 | | | .67 | | | .091 | | |
| .70 | .084 | .226 | | .083 | .088 | .70 | .125 | .251 | | .064 | .064 |
| .80 | .188 | | | .254 | .264 | .80 | .218 | | | .232 | .242 |
| .84 | | | .205 | | | .84 | | | .228 | | |
| .86 | | .422 | | | | .86 | | .441 | | | |
| .90 | | | | .317 | .327 | .90 | | | | .283 | .297 |
| .91 | .236 | | | | | .91 | .256 | | | | |
| .95 | .221 | .271 | .221 | .295 | .295 | .95 | .232 | .294 | .237 | .251 | .259 |

RUN = 628 POINT = 11

TABLE 129 CONCLUDED

RUN = 628 POINT = 12

(K) ALPHA = 11.92 DEGREES

| ETA | ETA | ETA | ETA | ETA |
|-------|-------|-------|-------|-------|
| .1902 | .2929 | .3809 | .5556 | .7111 |

(L) ALPHA = .34 DEGREES

| ETA | ETA | ETA | ETA | ETA |
|-------|-------|-------|-------|-------|
| .1902 | .2929 | .3809 | .5556 | .7111 |

| X/C | CPU | CPU | CPU | CPU | CPU |
|------|-------|--------|--------|-------|-------|
| 0.00 | -.361 | -.658 | -.289 | .226 | .516 |
| .05 | -.974 | -1.215 | -1.212 | -.657 | -.640 |
| .10 | -.959 | -1.217 | -1.162 | -.653 | -.621 |
| .20 | -.647 | -1.247 | -1.053 | -.661 | -.607 |
| .30 | -.498 | -1.314 | -.983 | -.643 | -.604 |
| .40 | -.450 | -1.359 | -.884 | -.644 | -.583 |
| .50 | -.527 | -.947 | -.805 | -.637 | -.585 |
| .60 | -.562 | -1.240 | -.770 | -.632 | -.561 |
| .67 | | | -.749 | | |
| .70 | -.651 | -.748 | | -.628 | -.551 |
| .80 | -.697 | | | -.617 | -.528 |
| .84 | | | -.434 | | |
| .86 | | -.595 | | | |
| .90 | | | | -.614 | -.513 |
| .91 | -.607 | | | | |
| .95 | -.387 | -.664 | -.671 | -.590 | -.491 |

| X/C | CPU | CPU | CPU | CPU | CPU |
|------|-------|-------|-------|-------|-------|
| 0.00 | .019 | .277 | .578 | .749 | .684 |
| .05 | -.143 | -.228 | -.296 | -.421 | -.249 |
| .10 | -.188 | -.223 | -.431 | -.418 | -.258 |
| .20 | -.202 | -.274 | -.398 | -.342 | -.277 |
| .30 | -.151 | -.355 | -.439 | -.340 | -.277 |
| .40 | -.162 | -.350 | -.307 | -.322 | -.300 |
| .50 | -.211 | -.693 | -.337 | -.336 | -.309 |
| .60 | -.224 | -.299 | -.337 | -.365 | -.317 |
| .67 | | | -.335 | | |
| .70 | -.250 | -.338 | | -.429 | -.355 |
| .80 | -.287 | | | -.544 | -.387 |
| .84 | | | -.177 | | |
| .86 | | -.586 | | | |
| .90 | | | | -.198 | -.369 |
| .91 | -.439 | | | | |
| .95 | -.281 | -.344 | -.207 | -.063 | -.142 |

| X/C | CPL | CPL | CPL | CPL | CPL |
|-----|------|------|------|-------|-------|
| .05 | .125 | .442 | .582 | .509 | .443 |
| .10 | .193 | .336 | .440 | .350 | .339 |
| .20 | .195 | .220 | .307 | .210 | .144 |
| .30 | .200 | .258 | .220 | .114 | .060 |
| .40 | .200 | .202 | .172 | .044 | -.017 |
| .50 | .202 | .150 | .125 | -.038 | -.070 |
| .60 | .193 | .163 | .085 | -.104 | -.072 |
| .67 | | | .107 | | |
| .70 | .198 | .291 | | .040 | .040 |
| .80 | .267 | | | .206 | .218 |
| .84 | | | .197 | | |
| .86 | | .449 | | | |
| .90 | | | | .262 | .267 |
| .91 | .294 | | | | |
| .95 | .281 | .284 | .215 | .223 | .223 |

| X/C | CPL | CPL | CPL | CPL | CPL |
|-----|-------|-------|-------|-------|-------|
| .05 | -.041 | -.181 | -.381 | -.531 | -.606 |
| .10 | -.098 | .115 | -.394 | -.598 | -.686 |
| .20 | -.178 | .179 | -.381 | -.436 | -.637 |
| .30 | -.210 | -.227 | -.372 | -.387 | -.493 |
| .40 | -.199 | -.246 | -.268 | -.378 | -.263 |
| .50 | -.145 | -.234 | -.159 | -.236 | -.207 |
| .60 | -.121 | -.077 | -.098 | -.174 | -.083 |
| .67 | | | .002 | | |
| .70 | -.046 | .175 | | .070 | .111 |
| .80 | .093 | | | .208 | .225 |
| .84 | | | .199 | | |
| .86 | | .359 | | | |
| .90 | | | | .276 | .277 |
| .91 | .170 | | | | |
| .95 | .221 | .295 | .259 | .293 | .284 |

RUN = 627 POINT = 3

TABLE 130

WING PRESSURE COEFFICIENTS

RUN = 627 POINT = 4

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .31 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | ETA | |
| .1902 | .2929 | .3809 | .5556 | .7111 | .1902 | .2929 | .3809 | .5556 | .7111 | .7111 | |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .027 | .316 | .626 | .756 | .653 | 0.00 | .011 | .291 | .593 | .758 | .698 |
| .05 | -.089 | -.095 | -.122 | -.220 | -.086 | .05 | -.139 | -.203 | -.257 | -.403 | -.224 |
| .10 | -.136 | -.123 | -.265 | -.225 | -.136 | .10 | -.181 | -.211 | -.417 | -.398 | -.255 |
| .20 | -.158 | -.184 | -.261 | -.227 | -.171 | .20 | -.196 | -.268 | -.384 | -.361 | -.282 |
| .30 | -.112 | -.267 | -.293 | -.271 | -.198 | .30 | -.139 | -.326 | -.451 | -.331 | -.279 |
| .40 | -.125 | -.265 | -.233 | -.249 | -.245 | .40 | -.159 | -.352 | -.307 | -.305 | -.311 |
| .50 | -.164 | .180 | -.272 | -.275 | -.243 | .50 | -.205 | -.039 | -.363 | -.351 | -.315 |
| .60 | -.171 | -.246 | -.293 | -.304 | -.278 | .60 | -.211 | -.322 | -.341 | -.372 | -.328 |
| .67 | | | -.287 | | | .67 | | | -.326 | | |
| .70 | -.194 | -.282 | | -.377 | -.354 | .70 | -.248 | -.333 | | -.403 | -.380 |
| .80 | -.246 | | | -.514 | -.463 | .80 | -.292 | | | -.540 | -.457 |
| .84 | | | -.139 | | | .84 | | | -.166 | | |
| .86 | | -.270 | | | | .86 | | -.287 | | | |
| .90 | | | | -.156 | -.293 | .90 | | | | -.159 | -.368 |
| .91 | -.121 | | | | | .91 | -.238 | | | | |
| .95 | -.221 | -.344 | -.203 | -.036 | -.064 | .95 | -.227 | -.357 | -.223 | -.041 | -.055 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.061 | -.304 | -.598 | -.636 | -.691 | .05 | -.030 | -.182 | -.387 | -.510 | -.588 |
| .10 | -.126 | .363 | -.541 | -.760 | -.836 | .10 | -.096 | .133 | -.396 | -.604 | -.715 |
| .20 | -.203 | .575 | -.499 | -.704 | -.833 | .20 | -.176 | .416 | -.387 | -.524 | -.682 |
| .30 | -.276 | -.310 | -.479 | -.651 | -.802 | .30 | -.220 | -.236 | -.394 | -.455 | -.581 |
| .40 | -.235 | -.317 | -.499 | -.614 | -.746 | .40 | -.194 | -.261 | -.356 | -.352 | -.421 |
| .50 | -.180 | -.368 | -.174 | -.326 | -.295 | .50 | -.146 | -.288 | -.165 | -.320 | -.204 |
| .60 | -.153 | -.107 | -.100 | -.181 | -.012 | .60 | -.120 | -.084 | -.096 | -.180 | -.064 |
| .67 | | | -.002 | | | .67 | | | 0.000 | | |
| .70 | -.095 | .160 | | .077 | .125 | .70 | -.054 | .178 | | .070 | .121 |
| .80 | .072 | | | .227 | .258 | .80 | .085 | | | .214 | .246 |
| .84 | | | .178 | | | .84 | | | .200 | | |
| .86 | | .334 | | | | .86 | | .356 | | | |
| .90 | | | | .303 | .318 | .90 | | | | .284 | .296 |
| .91 | .169 | | | | | .91 | .179 | | | | |
| .95 | .608 | .318 | .234 | .293 | .305 | .95 | .433 | .302 | .255 | .292 | .294 |

RUN = 627 POINT = 5

TABLE 130 CONTINUED

RUN = 627 POINT = 6

| (C) ALPHA = 1.23 DEGREES | | | | | | (D) ALPHA = 2.03 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .005 | .256 | .559 | .753 | .716 | 0.00 | -.009 | .218 | .522 | .742 | .728 |
| .05 | -.178 | -.299 | -.383 | -.539 | -.427 | .05 | -.232 | -.385 | -.564 | -.621 | -.532 |
| .10 | -.222 | -.286 | -.512 | -.569 | -.421 | .10 | -.260 | -.375 | -.631 | -.686 | -.569 |
| .20 | -.233 | -.321 | -.442 | -.485 | -.413 | .20 | -.269 | -.375 | -.518 | -.630 | -.561 |
| .30 | -.163 | -.390 | -.514 | -.470 | -.399 | .30 | -.188 | -.436 | -.579 | -.564 | -.542 |
| .40 | -.183 | -.390 | -.371 | -.373 | -.367 | .40 | -.201 | -.430 | -.436 | -.493 | -.505 |
| .50 | -.236 | -.179 | -.420 | -.416 | -.355 | .50 | -.258 | -.275 | -.475 | -.472 | -.513 |
| .60 | -.236 | -.366 | -.396 | -.456 | -.394 | .60 | -.267 | -.425 | -.456 | -.493 | -.507 |
| .67 | | | -.384 | | | .67 | | | -.429 | | |
| .70 | -.267 | -.394 | | -.438 | -.467 | .70 | -.306 | -.423 | | -.529 | -.508 |
| .80 | -.330 | | | -.562 | -.491 | .80 | -.355 | | | -.596 | -.532 |
| .84 | | | -.197 | | | .84 | | | -.221 | | |
| .86 | | -.294 | | | | .86 | | -.306 | | | |
| .90 | | | | -.147 | -.479 | .90 | | | | -.138 | -.518 |
| .91 | -.300 | | | | | .91 | -.344 | | | | |
| .95 | -.251 | -.375 | -.238 | -.049 | -.108 | .95 | -.306 | -.393 | -.275 | -.072 | -.105 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.003 | -.071 | -.235 | -.379 | -.467 | .05 | .023 | -.001 | -.122 | -.247 | -.297 |
| .10 | -.073 | .052 | -.283 | -.456 | -.537 | .10 | -.044 | .035 | -.186 | -.339 | -.413 |
| .20 | -.139 | .298 | -.301 | -.371 | -.500 | .20 | -.111 | .215 | -.228 | -.305 | -.408 |
| .30 | -.172 | -.173 | -.316 | -.343 | -.440 | .30 | -.141 | -.132 | -.229 | -.296 | -.353 |
| .40 | -.167 | -.214 | -.238 | -.393 | -.362 | .40 | -.130 | -.171 | -.192 | -.344 | -.270 |
| .50 | -.113 | -.216 | -.138 | -.249 | -.195 | .50 | -.088 | -.175 | -.122 | -.226 | -.197 |
| .60 | -.093 | -.062 | -.097 | -.173 | -.059 | .60 | -.064 | -.051 | -.086 | -.171 | -.058 |
| .67 | | | .006 | | | .67 | | | .010 | | |
| .70 | -.029 | .185 | | .081 | .125 | .70 | -.009 | .187 | | .076 | .125 |
| .80 | .113 | | | .235 | .273 | .80 | .124 | | | .239 | .284 |
| .84 | | | .203 | | | .84 | | | .196 | | |
| .86 | | .380 | | | | .86 | | .395 | | | |
| .90 | | | | .307 | .339 | .90 | | | | .307 | .356 |
| .91 | .190 | | | | | .91 | .198 | | | | |
| .95 | .344 | .298 | .248 | .305 | .336 | .95 | .289 | .287 | .242 | .303 | .347 |

| (E) ALPHA = 2.99 DEGREES | | | | | | (F) ALPHA = 3.46 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.029 | .168 | .464 | .734 | .737 | 0.00 | -.045 | .128 | .441 | .720 | .739 |
| .05 | -.292 | -.486 | -.781 | -.701 | -.623 | .05 | -.319 | -.555 | -.858 | -.758 | -.674 |
| .10 | -.309 | -.463 | -.713 | -.772 | -.669 | .10 | -.341 | -.513 | -.834 | -.819 | -.711 |
| .20 | -.283 | -.413 | -.633 | -.729 | -.652 | .20 | -.321 | -.446 | -.681 | -.788 | -.709 |
| .30 | -.217 | -.469 | -.622 | -.713 | -.652 | .30 | -.239 | -.492 | -.651 | -.759 | -.699 |
| .40 | -.215 | -.493 | -.494 | -.638 | -.645 | .40 | -.222 | -.516 | -.551 | -.736 | -.690 |
| .50 | -.283 | -.358 | -.519 | -.568 | -.645 | .50 | -.295 | -.418 | -.535 | -.686 | -.692 |
| .60 | -.291 | -.459 | -.520 | -.541 | -.638 | .60 | -.303 | -.470 | -.559 | -.605 | -.699 |
| .67 | | | -.469 | | | .67 | | | -.492 | | |
| .70 | -.331 | -.467 | | -.575 | -.650 | .70 | -.349 | -.483 | | -.593 | -.726 |
| .80 | -.380 | | | -.656 | -.636 | .80 | -.398 | | | -.691 | -.718 |
| .84 | | | -.243 | | | .84 | | | -.259 | | |
| .86 | | -.321 | | | | .86 | | -.335 | | | |
| .90 | | | | -.163 | -.626 | .90 | | | | -.184 | -.660 |
| .91 | -.380 | | | | | .91 | -.405 | | | | |
| .95 | -.333 | -.424 | -.300 | -.107 | -.108 | .95 | -.369 | -.427 | -.320 | -.139 | -.157 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .049 | .078 | -.004 | -.134 | -.161 | .05 | .062 | .117 | .053 | -.068 | -.106 |
| .10 | -.010 | .054 | -.102 | -.225 | -.317 | .10 | .004 | .088 | -.055 | -.171 | -.252 |
| .20 | -.075 | .165 | -.163 | -.245 | -.320 | .20 | -.061 | .141 | -.127 | -.207 | -.264 |
| .30 | -.106 | -.082 | -.170 | -.249 | -.276 | .30 | -.081 | -.063 | -.137 | -.220 | -.261 |
| .40 | -.097 | -.128 | -.149 | -.304 | -.258 | .40 | -.076 | -.100 | -.125 | -.261 | -.245 |
| .50 | -.047 | -.136 | -.100 | -.215 | -.193 | .50 | -.037 | -.111 | -.082 | -.220 | -.174 |
| .60 | -.031 | -.030 | -.073 | -.178 | -.078 | .60 | -.017 | -.019 | -.060 | -.179 | -.073 |
| .67 | | | .019 | | | .67 | | | .021 | | |
| .70 | .018 | .196 | | .074 | .121 | .70 | .028 | .200 | | .071 | .116 |
| .80 | .140 | | | .235 | .292 | .80 | .146 | | | .232 | .294 |
| .84 | | | .188 | | | .84 | | | .183 | | |
| .86 | | .401 | | | | .86 | | .409 | | | |
| .90 | | | | .303 | .372 | .90 | | | | .303 | .367 |
| .91 | .208 | | | | | .91 | .209 | | | | |
| .95 | .263 | .288 | .229 | .296 | .360 | .95 | .243 | .287 | .214 | .296 | .355 |

RUN = 627 POINT = 9

TABLE 130 CONTINUED

RUN = 627 POINT = 10

| (G) ALPHA = 3.98 DEGREES | | | | | | (H) ALPHA = 4.95 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.062 | .083 | .414 | .702 | .732 | 0.00 | -.104 | .010 | .339 | .668 | .726 |
| .05 | -.344 | -.668 | -.916 | -.799 | -.706 | .05 | -.413 | -.844 | -1.019 | -.885 | -.770 |
| .10 | -.351 | -.565 | -.920 | -.855 | -.747 | .10 | -.440 | -.744 | -1.045 | -.929 | -.828 |
| .20 | -.357 | -.477 | -.777 | -.833 | -.752 | .20 | -.417 | -.521 | -.950 | -.919 | -.824 |
| .30 | -.247 | -.520 | -.687 | -.814 | -.742 | .30 | -.258 | -.566 | -.714 | -.897 | -.824 |
| .40 | -.232 | -.550 | -.604 | -.797 | -.738 | .40 | -.261 | -.586 | -.668 | -.881 | -.811 |
| .50 | -.296 | -.469 | -.561 | -.787 | -.742 | .50 | -.318 | -.509 | -.605 | -.888 | -.811 |
| .60 | -.322 | -.506 | -.592 | -.686 | -.745 | .60 | -.347 | -.546 | -.636 | -.886 | -.821 |
| .67 | | | -.515 | | | .67 | | | -.570 | | |
| .70 | -.364 | -.500 | | -.616 | -.754 | .70 | -.395 | -.548 | | -.822 | -.808 |
| .80 | -.410 | | | -.702 | -.720 | .80 | -.438 | | | -.736 | -.750 |
| .84 | | | -.271 | | | .84 | | | -.298 | | |
| .86 | | -.350 | | | | .86 | | -.368 | | | |
| .90 | | | | -.217 | -.637 | .90 | | | | -.258 | -.633 |
| .91 | -.424 | | | | | .91 | -.449 | | | | |
| .95 | -.404 | -.446 | -.343 | -.169 | -.216 | .95 | -.455 | -.474 | -.392 | -.215 | -.283 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .074 | .153 | .111 | -.002 | -.051 | .05 | .096 | .220 | .202 | .077 | .039 |
| .10 | .027 | .118 | -.006 | -.122 | -.182 | .10 | .056 | .159 | .064 | -.042 | -.104 |
| .20 | -.042 | .138 | -.081 | -.167 | -.211 | .20 | -.005 | .144 | -.024 | -.097 | -.160 |
| .30 | -.062 | -.027 | -.110 | -.190 | -.231 | .30 | -.027 | .013 | -.068 | -.143 | -.172 |
| .40 | -.051 | -.073 | -.101 | -.229 | -.216 | .40 | -.022 | -.029 | -.076 | -.208 | -.192 |
| .50 | -.016 | -.095 | -.068 | -.211 | -.167 | .50 | .012 | -.053 | -.040 | -.183 | -.166 |
| .60 | -.003 | -.008 | -.051 | -.170 | -.078 | .60 | .025 | .011 | -.036 | -.173 | -.082 |
| .67 | | | .031 | | | .67 | | | .045 | | |
| .70 | .043 | .209 | | .065 | .105 | .70 | .061 | .214 | | .064 | .102 |
| .80 | .158 | | | .236 | .285 | .80 | .169 | | | .244 | .269 |
| .84 | | | .182 | | | .84 | | | .179 | | |
| .86 | | .410 | | | | .86 | | .421 | | | |
| .90 | | | | .302 | .358 | .90 | | | | .310 | .337 |
| .91 | .217 | | | | | .91 | .224 | | | | |
| .95 | .235 | .282 | .209 | .295 | .337 | .95 | .228 | .279 | .197 | .286 | .313 |

| (I) ALPHA = 6.11 DEGREES | | | | | | (J) ALPHA = 8.15 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.151 | -.097 | .257 | .620 | .717 | 0.00 | -.249 | -.262 | .106 | .511 | .665 |
| .05 | -.430 | -1.031 | -1.127 | -.982 | -.869 | .05 | -.710 | -1.158 | -1.249 | -1.122 | -1.019 |
| .10 | -.510 | -.984 | -1.139 | -1.003 | -.918 | .10 | -.615 | -1.145 | -1.238 | -1.118 | -1.049 |
| .20 | -.448 | -.600 | -1.069 | -.993 | -.910 | .20 | -.491 | -.969 | -1.204 | -1.100 | -1.022 |
| .30 | -.290 | -.612 | -.999 | -.975 | -.908 | .30 | -.365 | -.851 | -1.051 | -1.081 | -1.021 |
| .40 | -.280 | -.627 | -.699 | -.955 | -.890 | .40 | -.328 | -.711 | -.927 | -1.065 | -.997 |
| .50 | -.349 | -.557 | -.681 | -.955 | -.890 | .50 | -.403 | -.619 | -.844 | -1.066 | -.995 |
| .60 | -.382 | -.601 | -.683 | -.968 | -.893 | .60 | -.447 | -.632 | -.833 | -1.068 | -.988 |
| .67 | | | -.644 | | | .67 | | | -.783 | | |
| .70 | -.437 | -.590 | | -.971 | -.881 | .70 | -.518 | -.637 | | -1.029 | -.936 |
| .80 | -.484 | | | -.856 | -.808 | .80 | -.560 | | | -.728 | -.758 |
| .84 | | | -.330 | | | .84 | | | -.419 | | |
| .86 | | -.394 | | | | .86 | | -.654 | | | |
| .90 | | | | -.476 | -.666 | .90 | | | | -.570 | -.617 |
| .91 | -.490 | | | | | .91 | -.535 | | | | |
| .95 | -.521 | -.514 | -.407 | -.385 | -.340 | .95 | -.560 | -.639 | -.508 | -.510 | -.466 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .111 | .273 | .290 | .172 | .115 | .05 | .131 | .362 | .429 | .324 | .263 |
| .10 | .083 | .205 | .141 | .031 | -.011 | .10 | .131 | .270 | .270 | .163 | .166 |
| .20 | .030 | .164 | .040 | -.043 | -.101 | .20 | .104 | .198 | .152 | .063 | .005 |
| .30 | .014 | .055 | -.015 | -.102 | -.133 | .30 | .089 | .137 | .077 | -.005 | -.048 |
| .40 | .019 | .006 | -.036 | -.151 | -.148 | .40 | .084 | .085 | .051 | -.064 | -.105 |
| .50 | .047 | -.016 | -.020 | -.152 | -.148 | .50 | .104 | .050 | .047 | -.104 | -.122 |
| .60 | .056 | .033 | -.011 | -.155 | -.099 | .60 | .108 | .091 | .035 | -.134 | -.095 |
| .67 | | | .054 | | | .67 | | | .092 | | |
| .70 | .082 | .224 | | .059 | .071 | .70 | .128 | .255 | | .054 | .053 |
| .80 | .186 | | | .239 | .251 | .80 | .219 | | | .229 | .234 |
| .84 | | | .184 | | | .84 | | | .224 | | |
| .86 | | .425 | | | | .86 | | .445 | | | |
| .90 | | | | .298 | .317 | .90 | | | | .283 | .291 |
| .91 | .237 | | | | | .91 | .256 | | | | |
| .95 | .232 | .279 | .207 | .274 | .291 | .95 | .241 | .299 | .227 | .251 | .259 |

RUN = 627 POINT = 13

TABLE 130 CONTINUED

RUN = 627 POINT = 14

(K) ALPHA = 10.17 DEGREES

(L) ALPHA = 12.02 DEGREES

| (K) ALPHA = 10.17 DEGREES | | | | | | (L) ALPHA = 12.02 DEGREES | | | | | |
|---------------------------|-------|--------|--------|--------|--------|---------------------------|-------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.355 | -.437 | -.065 | .381 | .596 | 0.00 | -.402 | -.610 | -.245 | .252 | .525 |
| .05 | -.815 | -1.149 | -1.240 | -1.224 | -1.148 | .05 | -.989 | -1.162 | -1.214 | -.739 | -.721 |
| .10 | -.821 | -1.153 | -1.271 | -1.219 | -1.143 | .10 | -.958 | -1.172 | -1.192 | -.746 | -.682 |
| .20 | -.536 | -1.120 | -1.116 | -1.178 | -1.114 | .20 | -.621 | -1.190 | -1.152 | -.730 | -.648 |
| .30 | -.423 | -1.140 | -1.059 | -1.108 | -1.102 | .30 | -.468 | -1.257 | -1.071 | -.694 | -.636 |
| .40 | -.392 | -1.142 | -1.046 | -.918 | -1.029 | .40 | -.424 | -1.303 | -1.058 | -.660 | -.611 |
| .50 | -.463 | -.827 | -1.028 | -.808 | -1.021 | .50 | -.488 | -1.015 | -.932 | -.648 | -.611 |
| .60 | -.518 | -.889 | -1.052 | -.659 | -.992 | .60 | -.521 | -1.279 | -.866 | -.651 | -.589 |
| .67 | | | -.976 | | | .67 | | | -.791 | | |
| .70 | -.602 | -.591 | | -.611 | -.833 | .70 | -.604 | -1.141 | | -.644 | -.562 |
| .80 | -.633 | | | -.572 | -.664 | .80 | -.648 | | | -.635 | -.551 |
| .84 | | | -.500 | | | .84 | | | -.435 | | |
| .86 | | -.696 | | | | .86 | | -.881 | | | |
| .90 | | | | -.565 | -.567 | .90 | | | | -.633 | -.540 |
| .91 | -.591 | | | | | .91 | -.632 | | | | |
| .95 | -.598 | -.591 | -.657 | -.547 | -.503 | .95 | -.572 | -.481 | -.674 | -.608 | -.514 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .138 | .418 | .526 | .437 | .365 | .05 | .138 | .457 | .590 | .528 | .451 |
| .10 | .176 | .333 | .380 | .278 | .277 | .10 | .200 | .383 | .455 | .367 | .326 |
| .20 | .171 | .245 | .248 | .153 | .089 | .20 | .213 | .290 | .319 | .221 | .157 |
| .30 | .162 | .212 | .164 | .071 | .015 | .30 | .209 | .275 | .236 | .132 | .068 |
| .40 | .149 | .157 | .128 | .002 | -.051 | .40 | .208 | .212 | .184 | .056 | -.007 |
| .50 | .167 | .114 | .100 | -.058 | -.095 | .50 | .217 | .172 | .147 | -.020 | -.053 |
| .60 | .163 | .140 | .077 | -.117 | -.084 | .60 | .204 | .179 | .104 | -.093 | -.065 |
| .67 | | | .104 | | | .67 | | | .132 | | |
| .70 | .174 | .287 | | .051 | .046 | .70 | .211 | .312 | | .059 | .047 |
| .80 | .249 | | | .218 | .226 | .80 | .277 | | | .218 | .228 |
| .84 | | | .241 | | | .84 | | | .239 | | |
| .86 | | .462 | | | | .86 | | .474 | | | |
| .90 | | | | .270 | .279 | .90 | | | | .275 | .274 |
| .91 | .280 | | | | | .91 | .306 | | | | |
| .95 | .258 | .315 | .244 | .233 | .240 | .95 | .277 | .315 | .239 | .237 | .230 |

RUN = 627 POINT = 15

TABLE 130 CONCLUDED

| X/C | (M) ALPHA = .32 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .284 | .583 | .753 | .689 |
| .05 | -.140 | -.215 | -.260 | -.413 | -.241 |
| .10 | -.177 | -.206 | -.425 | -.396 | -.275 |
| .20 | -.195 | -.269 | -.394 | -.360 | -.281 |
| .30 | -.142 | -.319 | -.458 | -.333 | -.280 |
| .40 | -.151 | -.343 | -.317 | -.307 | -.301 |
| .50 | -.209 | -.730 | -.366 | -.349 | -.303 |
| .60 | -.217 | -.306 | -.344 | -.373 | -.323 |
| .67 | | | -.332 | | |
| .70 | -.242 | -.339 | | -.405 | -.360 |
| .80 | -.287 | | | -.542 | -.423 |
| .84 | | | -.159 | | |
| .86 | | -.589 | | | |
| .90 | | | | -.161 | -.490 |
| .91 | -.475 | | | | |
| .95 | -.258 | -.354 | -.225 | -.044 | -.135 |
| | CPL | CPL | CPL | CPL | CPL |
| .05 | -.033 | -.187 | -.392 | -.508 | -.583 |
| .10 | -.098 | .141 | -.419 | -.592 | -.647 |
| .20 | -.166 | .236 | -.392 | -.527 | -.676 |
| .30 | -.224 | -.239 | -.396 | -.438 | -.595 |
| .40 | -.197 | -.273 | -.355 | -.340 | -.453 |
| .50 | -.144 | -.291 | -.169 | -.317 | -.200 |
| .60 | -.124 | -.089 | -.097 | -.182 | -.066 |
| .67 | | | -.007 | | |
| .70 | -.057 | .175 | | .068 | .123 |
| .80 | .093 | | | .207 | .241 |
| .84 | | | .196 | | |
| .86 | | .353 | | | |
| .90 | | | | .285 | .291 |
| .91 | .178 | | | | |
| .95 | .237 | .298 | .248 | .293 | .290 |

RUN = 634 POINT = 1

TABLE 131

WING PRESSURE COEFFICIENTS

RUN = 634 POINT = 3

| (A) ALPHA = -.79 DEGREES | | | | | | (B) ALPHA = .17 DEGREES | | | | | |
|--------------------------|-------|-------|-------|--------|--------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .036 | .584 | .678 | .490 | 0.00 | .015 | -.106 | -.279 | .724 | .598 |
| .05 | -.103 | -.066 | -.116 | -.088 | .039 | .05 | -.140 | -.106 | -.252 | .724 | -.092 |
| .10 | -.143 | .284 | -.116 | -.110 | -.028 | .10 | -.183 | -.106 | -.047 | .724 | -.124 |
| .20 | -.164 | .289 | -.263 | -.132 | -.078 | .20 | -.195 | -.106 | .070 | .724 | -.149 |
| .30 | -.117 | -.227 | -.263 | -.138 | -.105 | .30 | -.153 | -.272 | .566 | .724 | -.162 |
| .40 | -.123 | -.192 | -.171 | -.144 | -.140 | .40 | -.157 | -.234 | .564 | .724 | -.162 |
| .50 | -.154 | -.690 | -.181 | -.154 | -.135 | .50 | -.191 | -.393 | -.283 | -.238 | -.162 |
| .60 | -.146 | -.077 | -.181 | -.181 | -.167 | .60 | -.169 | -.094 | -.379 | -.210 | -.162 |
| .67 | | | -.106 | | | .67 | | | -.379 | | |
| .70 | -.109 | .045 | | -.213 | -.212 | .70 | -.130 | .034 | | -.198 | -.162 |
| .80 | -.085 | | | -.213 | -.261 | .80 | -.102 | | | -.196 | -.188 |
| .84 | | | -.081 | | | .84 | | | -.379 | | |
| .86 | | .133 | | | | .86 | | .126 | | | |
| .90 | | | | -.251 | -.278 | .90 | | | | -.176 | -.188 |
| .91 | -.168 | | | | | .91 | -.102 | | | | |
| .95 | -.137 | -.083 | -.063 | -.251 | -.189 | .95 | -.102 | -.088 | -.379 | -.196 | -.186 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.087 | -.360 | -.737 | -.205 | -1.108 | .05 | -.102 | -.217 | -.503 | -.220 | -.207 |
| .10 | -.162 | -.216 | -.602 | -.098 | -1.110 | .10 | -.102 | -.217 | -.461 | -.248 | -.239 |
| .20 | -.219 | -.081 | -.524 | -.098 | -1.110 | .20 | -.092 | -.152 | -.406 | -.277 | -.284 |
| .30 | -.255 | -.341 | -.455 | -1.007 | -.516 | .30 | -.092 | -.281 | -.400 | -.277 | -.305 |
| .40 | -.253 | -.350 | -.441 | -.922 | -.516 | .40 | -.084 | -.281 | -.378 | -.277 | -.186 |
| .50 | -.206 | -.343 | -.435 | -.550 | -.359 | .50 | -.047 | -.281 | -.382 | -.277 | -.846 |
| .60 | -.182 | -.311 | -.407 | -.216 | -.336 | .60 | -.122 | -.281 | -.390 | -.196 | -.799 |
| .67 | | | -.223 | | | .67 | | | -.208 | | |
| .70 | -.192 | -.270 | | .028 | -.336 | .70 | -.148 | -.281 | | .046 | -.400 |
| .80 | -.137 | | | .141 | -.253 | .80 | -.205 | | | .200 | -.400 |
| .84 | | | .190 | | | .84 | | | .233 | | |
| .86 | | -.067 | | | | .86 | | -.285 | | | |
| .90 | | | | .195 | -.116 | .90 | | | | .265 | -.400 |
| .91 | -.137 | | | | | .91 | -.213 | | | | |
| .95 | -.036 | .047 | .287 | .216 | .058 | .95 | -.165 | -.285 | .318 | .284 | -.400 |

| (C) ALPHA = 1.04 DEGREES | | | | | | (D) ALPHA = 1.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .001 | .231 | .534 | .740 | .672 | 0.00 | -.020 | .181 | .454 | .725 | .712 |
| .05 | -.188 | -.341 | -.424 | -.404 | -.243 | .05 | -.237 | -.463 | -.611 | -.625 | -.399 |
| .10 | -.233 | -.314 | -.492 | -.334 | -.232 | .10 | -.282 | -.420 | -.623 | -.466 | -.352 |
| .20 | -.239 | -.322 | -.313 | -.276 | -.222 | .20 | -.278 | -.400 | -.391 | -.337 | -.291 |
| .30 | -.180 | -.325 | -.278 | -.240 | -.224 | .30 | -.219 | -.391 | -.336 | -.273 | -.284 |
| .40 | -.190 | -.274 | -.187 | -.225 | -.239 | .40 | -.223 | -.315 | -.221 | -.281 | -.282 |
| .50 | -.216 | -.261 | -.136 | -.232 | -.234 | .50 | -.254 | -.284 | -.176 | -.281 | -.274 |
| .60 | -.194 | -.125 | -.113 | -.244 | -.251 | .60 | -.233 | -.153 | -.139 | -.281 | -.289 |
| .67 | | | -.078 | | | .67 | | | -.098 | | |
| .70 | -.157 | .012 | | -.270 | -.279 | .70 | -.180 | -.009 | | -.297 | -.306 |
| .80 | -.116 | | | -.298 | -.321 | .80 | -.136 | | | -.315 | -.342 |
| .84 | | | -.027 | | | .84 | | | -.038 | | |
| .86 | | .119 | | | | .86 | | .103 | | | |
| .90 | | | | -.240 | -.321 | .90 | | | | -.245 | -.355 |
| .91 | -.094 | | | | | .91 | -.107 | | | | |
| .95 | -.065 | -.092 | -.109 | -.121 | -.164 | .95 | -.083 | -.102 | -.124 | -.120 | -.178 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.018 | -.115 | -.330 | -.467 | -.557 | .05 | .004 | -.030 | -.192 | -.321 | -.331 |
| .10 | -.092 | -.101 | -.348 | -.497 | -.559 | .10 | -.056 | -.069 | -.261 | -.358 | -.395 |
| .20 | -.131 | -.078 | -.312 | -.410 | -.383 | .20 | -.095 | -.081 | -.257 | -.335 | -.314 |
| .30 | -.192 | -.219 | -.334 | -.360 | -.260 | .30 | -.150 | -.169 | -.277 | -.309 | -.248 |
| .40 | -.171 | -.237 | -.338 | -.312 | -.256 | .40 | -.150 | -.202 | -.283 | -.279 | -.222 |
| .50 | -.143 | -.261 | -.354 | -.234 | -.202 | .50 | -.115 | -.231 | -.321 | -.209 | -.176 |
| .60 | -.120 | -.255 | -.362 | -.190 | -.090 | .60 | -.101 | -.231 | -.345 | -.178 | -.079 |
| .67 | | | -.197 | | | .67 | | | -.192 | | |
| .70 | -.090 | -.230 | | .056 | .096 | .70 | -.077 | -.221 | | .058 | .096 |
| .80 | .005 | | | .241 | .228 | .80 | .012 | | | .244 | .256 |
| .84 | | | .246 | | | .84 | | | .250 | | |
| .86 | | -.035 | | | | .86 | | -.030 | | | |
| .90 | | | | .313 | .288 | .90 | | | | .320 | .324 |
| .91 | .062 | | | | | .91 | .065 | | | | |
| .95 | .076 | .086 | .340 | .309 | .281 | .95 | .067 | .088 | .336 | .316 | .310 |

RUN = 634 POINT = 9

TABLE 131 CONTINUED

RUN = 634 POINT = 10

| (E) ALPHA = 2.77 DEGREES | | | | | | (F) ALPHA = 3.26 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.050 | .109 | .377 | .682 | .735 | 0.00 | -.058 | .065 | .338 | .672 | .729 |
| .05 | -.286 | -.580 | -.867 | -.888 | -.647 | .05 | -.315 | -.664 | -1.033 | -1.052 | -.794 |
| .10 | -.324 | -.538 | -.820 | -.711 | -.496 | .10 | -.356 | -.583 | -.929 | -.883 | -.617 |
| .20 | -.316 | -.473 | -.463 | -.378 | -.374 | .20 | -.329 | -.516 | -.588 | -.395 | -.392 |
| .30 | -.251 | -.448 | -.374 | -.334 | -.331 | .30 | -.269 | -.484 | -.398 | -.357 | -.360 |
| .40 | -.251 | -.376 | -.257 | -.318 | -.312 | .40 | -.281 | -.396 | -.269 | -.339 | -.343 |
| .50 | -.290 | -.321 | -.202 | -.308 | -.310 | .50 | -.305 | -.349 | -.214 | -.327 | -.332 |
| .60 | -.259 | -.169 | -.151 | -.308 | -.331 | .60 | -.279 | -.183 | -.164 | -.319 | -.341 |
| .67 | | | -.106 | | | .67 | | | -.121 | | |
| .70 | -.209 | -.015 | | -.312 | -.331 | .70 | -.222 | -.023 | | -.317 | -.339 |
| .80 | -.150 | | | -.318 | -.353 | .80 | -.165 | | | -.319 | -.358 |
| .84 | | | -.048 | | | .84 | | | -.054 | | |
| .86 | | .096 | | | | .86 | | .091 | | | |
| .90 | | | | -.231 | -.357 | .90 | | | | -.222 | -.362 |
| .91 | -.119 | | | | | .91 | -.127 | | | | |
| .95 | -.087 | -.102 | -.124 | -.108 | -.154 | .95 | -.094 | -.101 | -.125 | -.105 | -.153 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .030 | .061 | -.043 | -.168 | -.157 | .05 | .043 | .101 | .022 | -.076 | -.078 |
| .10 | -.028 | -.015 | -.148 | -.235 | -.255 | .10 | -.011 | .035 | -.100 | -.177 | -.174 |
| .20 | -.056 | -.061 | -.203 | -.249 | -.227 | .20 | -.041 | -.027 | -.159 | -.214 | -.194 |
| .30 | -.121 | -.124 | -.231 | -.243 | -.206 | .30 | -.092 | -.103 | -.197 | -.212 | -.170 |
| .40 | -.115 | -.157 | -.249 | -.227 | -.186 | .40 | -.108 | -.148 | -.222 | -.207 | -.174 |
| .50 | -.087 | -.194 | -.283 | -.179 | -.150 | .50 | -.070 | -.169 | -.262 | -.157 | -.134 |
| .60 | -.072 | -.198 | -.308 | -.152 | -.065 | .60 | -.064 | -.183 | -.292 | -.138 | -.055 |
| .67 | | | -.166 | | | .67 | | | -.155 | | |
| .70 | -.050 | -.198 | | .067 | .107 | .70 | -.037 | -.185 | | .077 | .107 |
| .80 | .032 | | | .259 | .293 | .80 | .043 | | | .261 | .291 |
| .84 | | | .256 | | | .84 | | | .266 | | |
| .86 | | -.015 | | | | .86 | | -.011 | | | |
| .90 | | | | .325 | .357 | .90 | | | | .333 | .355 |
| .91 | .083 | | | | | .91 | .083 | | | | |
| .95 | .075 | .096 | .343 | .317 | .338 | .95 | .077 | .101 | .343 | .318 | .340 |

| (G) ALPHA = 3.81 DEGREES | | | | | | (H) ALPHA = 4.75 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.083 | .003 | .277 | .627 | .725 | 0.00 | -.126 | -.114 | .179 | .565 | .695 |
| .05 | -.347 | -.744 | -1.216 | -1.150 | -.951 | .05 | -.428 | -.944 | -1.427 | -1.302 | -1.185 |
| .10 | -.381 | -.653 | -1.083 | -1.047 | -.795 | .10 | -.452 | -.805 | -1.341 | -1.256 | -1.091 |
| .20 | -.353 | -.556 | -.694 | -.392 | -.406 | .20 | -.401 | -.665 | -.820 | -1.030 | -.526 |
| .30 | -.294 | -.516 | -.413 | -.364 | -.389 | .30 | -.326 | -.632 | -.475 | -.350 | -.426 |
| .40 | -.294 | -.452 | -.280 | -.358 | -.359 | .40 | -.335 | -.534 | -.297 | -.348 | -.381 |
| .50 | -.331 | -.385 | -.221 | -.336 | -.363 | .50 | -.369 | -.442 | -.227 | -.342 | -.376 |
| .60 | -.304 | -.188 | -.170 | -.331 | -.361 | .60 | -.349 | -.217 | -.178 | -.330 | -.380 |
| .67 | | | -.121 | | | .67 | | | -.127 | | |
| .70 | -.244 | -.035 | | -.329 | -.350 | .70 | -.286 | -.055 | | -.324 | -.359 |
| .80 | -.177 | | | -.319 | -.359 | .80 | -.199 | | | -.315 | -.355 |
| .84 | | | -.059 | | | .84 | | | -.051 | | |
| .86 | | .077 | | | | .86 | | .071 | | | |
| .90 | | | | -.220 | -.363 | .90 | | | | -.214 | -.357 |
| .91 | -.136 | | | | | .91 | -.150 | | | | |
| .95 | -.110 | -.096 | -.129 | -.107 | -.149 | .95 | -.104 | -.088 | -.123 | -.105 | -.153 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .053 | .132 | .074 | -.024 | 0.000 | .05 | .074 | .206 | .185 | .102 | .115 |
| .10 | .009 | .073 | -.049 | -.133 | -.126 | .10 | .039 | .130 | .039 | -.032 | 0.000 |
| .20 | -.047 | .001 | -.137 | -.166 | -.143 | .20 | .023 | .042 | -.055 | -.093 | -.077 |
| .30 | -.081 | -.078 | -.180 | -.176 | -.143 | .30 | -.047 | -.022 | -.119 | -.121 | -.089 |
| .40 | -.083 | -.119 | -.198 | -.180 | -.149 | .40 | -.049 | -.076 | -.172 | -.121 | -.092 |
| .50 | -.055 | -.162 | -.238 | -.144 | -.117 | .50 | -.021 | -.121 | -.196 | -.107 | -.081 |
| .60 | -.047 | -.172 | -.275 | -.130 | -.047 | .60 | -.017 | -.135 | -.245 | -.098 | -.021 |
| .67 | | | -.150 | | | .67 | | | -.123 | | |
| .70 | -.027 | -.174 | | .079 | .117 | .70 | -.004 | -.153 | | .096 | .126 |
| .80 | .047 | | | .271 | .289 | .80 | .066 | | | .272 | .299 |
| .84 | | | .270 | | | .84 | | | .282 | | |
| .86 | | -.006 | | | | .86 | | .013 | | | |
| .90 | | | | .336 | .357 | .90 | | | | .340 | .362 |
| .91 | .092 | | | | | .91 | .108 | | | | |
| .95 | .082 | .105 | .347 | .319 | .342 | .95 | .092 | .114 | .361 | .327 | .344 |

RUN = 634 POINT = 13

TABLE 131 CONTINUED

RUN = 634 POINT = 14

| (I) ALPHA = 5.86 DEGREES | | | | | | (J) ALPHA = 7.82 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|--------------------------|-------|--------|--------|-------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.191 | -.247 | .060 | .494 | .659 | 0.00 | -.354 | -.485 | -.111 | .352 | .579 |
| .05 | -.507 | -1.242 | -1.566 | -1.426 | -1.333 | .05 | -.674 | -1.484 | -1.510 | -.890 | -1.461 |
| .10 | -.515 | -.902 | -1.495 | -1.378 | -1.323 | .10 | -.658 | -1.414 | -1.461 | -.833 | -1.362 |
| .20 | -.450 | -.740 | -1.353 | -1.283 | -1.203 | .20 | -.534 | -1.004 | -1.231 | -.735 | -.875 |
| .30 | -.369 | -.726 | -.722 | -.661 | -.708 | .30 | -.433 | -.815 | -1.043 | -.662 | -.762 |
| .40 | -.373 | -.646 | -.321 | -.441 | -.365 | .40 | -.453 | -.670 | -.887 | -.569 | -.542 |
| .50 | -.424 | -.526 | -.229 | -.344 | -.357 | .50 | -.514 | -.582 | -.735 | -.504 | -.516 |
| .60 | -.414 | -.239 | -.182 | -.317 | -.357 | .60 | -.520 | -.308 | -.592 | -.430 | -.469 |
| .67 | | | -.133 | | | .67 | | | -.435 | | |
| .70 | -.341 | -.080 | | -.295 | -.337 | .70 | -.412 | -.148 | | -.373 | -.373 |
| .80 | -.235 | | | -.269 | -.335 | .80 | -.295 | | | -.318 | -.311 |
| .84 | | | -.049 | | | .84 | | | -.240 | | |
| .86 | | .050 | | | | .86 | | .019 | | | |
| .90 | | | | -.174 | -.329 | .90 | | | | -.276 | -.287 |
| .91 | -.177 | | | | | .91 | -.212 | | | | |
| .95 | -.136 | -.084 | -.112 | -.099 | -.145 | .95 | -.169 | -.115 | -.259 | -.246 | -.180 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .090 | .263 | .280 | .199 | .212 | .05 | .097 | .330 | .398 | .321 | .320 |
| .10 | .066 | .179 | .114 | .056 | .100 | .10 | .107 | .244 | .234 | .164 | .174 |
| .20 | .047 | .087 | .007 | -.028 | -.016 | .20 | .071 | .135 | .091 | .048 | .050 |
| .30 | .003 | .026 | -.071 | -.069 | -.044 | .30 | .053 | .092 | .008 | -.013 | -.005 |
| .40 | -.020 | -.035 | -.127 | -.087 | -.064 | .40 | .040 | .027 | -.050 | -.044 | -.047 |
| .50 | .009 | -.084 | -.166 | -.079 | -.051 | .50 | .053 | -.029 | -.118 | -.072 | -.052 |
| .60 | .005 | -.106 | -.216 | -.079 | 0.000 | .60 | .051 | -.068 | -.181 | -.094 | -.017 |
| .67 | | | -.103 | | | .67 | | | -.094 | | |
| .70 | .019 | -.131 | | .104 | .139 | .70 | .055 | -.099 | | .069 | .108 |
| .80 | .080 | | | .276 | .302 | .80 | .105 | | | .239 | .283 |
| .84 | | | .290 | | | .84 | | | .283 | | |
| .86 | | .028 | | | | .86 | | .035 | | | |
| .90 | | | | .344 | .370 | .90 | | | | .294 | .339 |
| .91 | .114 | | | | | .91 | .132 | | | | |
| .95 | .102 | .124 | .363 | .321 | .347 | .95 | .109 | .125 | .346 | .260 | .316 |

RUN = 634 POINT = 15

TABLE 131

CONTINUED

RUN = 634 POINT = 16

| (K) ALPHA = 9.69 DEGREES | | | | | | (L) ALPHA = 11.58 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|---------------------------|--------|--------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.475 | -.687 | -.300 | .256 | .562 | 0.00 | -.499 | -.904 | -.467 | .140 | .514 |
| .05 | -.841 | -1.524 | -1.456 | -.732 | -.519 | .05 | -1.078 | -1.541 | -.902 | -.683 | -.461 |
| .10 | -.770 | -1.536 | -1.384 | -.707 | -.478 | .10 | -.896 | -1.551 | -.890 | -.685 | -.439 |
| .20 | -.611 | -1.453 | -1.233 | -.675 | -.454 | .20 | -.663 | -1.565 | -.904 | -.663 | -.433 |
| .30 | -.501 | -1.397 | -1.088 | -.618 | -.437 | .30 | -.584 | -1.395 | -.896 | -.635 | -.426 |
| .40 | -.520 | -1.196 | -.994 | -.580 | -.384 | .40 | -.600 | -1.094 | -.878 | -.616 | -.403 |
| .50 | -.615 | -.802 | -.910 | -.555 | -.383 | .50 | -.691 | -.923 | -.833 | -.582 | -.392 |
| .60 | -.647 | -.231 | -.853 | -.507 | -.353 | .60 | -.598 | -.861 | -.792 | -.564 | -.390 |
| .67 | | | -.763 | | | .67 | | | -.761 | | |
| .70 | -.473 | -.180 | | -.468 | -.341 | .70 | -.552 | -.708 | | -.545 | -.377 |
| .80 | -.295 | | | -.468 | -.324 | .80 | -.507 | | | -.523 | -.371 |
| .84 | | | -.435 | | | .84 | | | -.451 | | |
| .86 | | .050 | | | | .86 | | -.381 | | | |
| .90 | | | | -.450 | -.323 | .90 | | | | -.505 | -.369 |
| .91 | -.219 | | | | | .91 | -.331 | | | | |
| .95 | -.164 | -.147 | -.461 | -.432 | -.313 | .95 | -.305 | -.267 | -.604 | -.472 | -.366 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .383 | .487 | .406 | .358 | .05 | .088 | .404 | .549 | .480 | .416 |
| .10 | .132 | .295 | .321 | .250 | .227 | .10 | .155 | .339 | .397 | .316 | .298 |
| .20 | .142 | .189 | .175 | .113 | .077 | .20 | .153 | .237 | .235 | .166 | .130 |
| .30 | .102 | .146 | .076 | .031 | .013 | .30 | .155 | .206 | .124 | .069 | .057 |
| .40 | .094 | .087 | -0.000 | -.016 | -.046 | .40 | .153 | .122 | .041 | .013 | -.017 |
| .50 | .098 | .013 | -.071 | -.069 | -.068 | .50 | .141 | .053 | -.047 | -.055 | -.055 |
| .60 | .086 | -.029 | -.156 | -.109 | -.053 | .60 | .125 | -.009 | -.150 | -.096 | -.049 |
| .67 | | | -.083 | | | .67 | | | -.098 | | |
| .70 | .086 | -.077 | | .040 | .060 | .70 | .109 | -.073 | | .042 | .059 |
| .80 | .126 | | | .206 | .234 | .80 | .139 | | | .205 | .222 |
| .84 | | | .271 | | | .84 | | | .237 | | |
| .86 | | .046 | | | | .86 | | .010 | | | |
| .90 | | | | .259 | .279 | .90 | | | | .259 | .272 |
| .91 | .146 | | | | | .91 | .145 | | | | |
| .95 | .122 | .126 | .325 | .215 | .244 | .95 | .131 | .069 | .264 | .214 | .229 |

RUN = 634 POINT = 17

TABLE 131

CONCLUDED

| | (M) ALPHA = | | .23 DEGREES | | |
|------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .007 | .263 | .565 | .730 | .598 |
| .05 | -.148 | -.241 | -.271 | -.247 | -.089 |
| .10 | -.194 | -.235 | -.398 | -.231 | -.117 |
| .20 | -.206 | -.259 | -.247 | -.203 | -.153 |
| .30 | -.158 | -.283 | -.228 | -.196 | -.162 |
| .40 | -.164 | -.233 | -.147 | -.188 | -.192 |
| .50 | -.190 | -.636 | -.114 | -.200 | -.198 |
| .60 | -.174 | -.102 | -.094 | -.219 | -.213 |
| .67 | | | -.063 | | |
| .70 | -.138 | .027 | | -.247 | -.241 |
| .80 | -.108 | | | -.282 | -.282 |
| .84 | | | -.016 | | |
| .86 | | .125 | | | |
| .90 | | | | -.233 | -.302 |
| .91 | -.184 | | | | |
| .95 | -.116 | -.090 | -.100 | -.115 | -.162 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.053 | -.212 | -.485 | -.698 | -.884 |
| .10 | -.124 | .105 | -.448 | -.639 | -.806 |
| .20 | -.166 | .186 | -.412 | -.503 | -.394 |
| .30 | -.219 | -.283 | -.397 | -.393 | -.312 |
| .40 | -.219 | -.288 | -.379 | -.357 | -.295 |
| .50 | -.170 | -.302 | -.389 | -.267 | -.228 |
| .60 | -.168 | -.279 | -.393 | -.203 | -.099 |
| .67 | | | -.211 | | |
| .70 | -.112 | -.245 | | .046 | .084 |
| .80 | -.029 | | | .196 | .192 |
| .84 | | | .223 | | |
| .86 | | -.047 | | | |
| .90 | | | | .276 | .228 |
| .91 | .049 | | | | |
| .95 | .083 | .070 | .320 | .284 | .237 |

RUN = 633 POINT = 3

TABLE 132

WING PRESSURE COEFFICIENTS

RUN = 633 POINT = 4

| (A) ALPHA = -.86 DEGREES | | | | | | (B) ALPHA = .17 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| .00 | .012 | .304 | .616 | .734 | .569 | .00 | .008 | .285 | .582 | .753 | .644 |
| .05 | -.101 | -.103 | -.110 | -.101 | .012 | .05 | -.144 | -.219 | -.245 | -.261 | -.117 |
| .10 | -.141 | -.130 | -.270 | -.144 | -.042 | .10 | -.186 | -.227 | -.374 | -.250 | -.135 |
| .20 | -.165 | -.184 | -.182 | -.141 | -.096 | .20 | -.200 | -.259 | -.270 | -.220 | -.154 |
| .30 | -.124 | -.233 | -.190 | -.139 | -.119 | .30 | -.146 | -.301 | -.260 | -.205 | -.181 |
| .40 | -.128 | -.212 | -.114 | -.141 | -.153 | .40 | -.157 | -.285 | -.154 | -.188 | -.206 |
| .50 | -.163 | -.225 | -.077 | -.167 | -.151 | .50 | -.200 | -.256 | -.115 | -.209 | -.209 |
| .60 | -.147 | -.081 | -.056 | -.184 | -.182 | .60 | -.182 | -.109 | -.078 | -.235 | -.225 |
| .67 | | | -.018 | | | .67 | | | -.045 | | |
| .70 | -.124 | .053 | | -.229 | -.251 | .70 | -.146 | .039 | | -.265 | -.291 |
| .80 | -.083 | | | -.261 | -.355 | .80 | -.102 | | | -.310 | -.385 |
| .84 | | | .008 | | | .84 | | | -.006 | | |
| .86 | | .144 | | | | .86 | | .138 | | | |
| .90 | | | | -.186 | -.289 | .90 | | | | -.239 | -.343 |
| .91 | .043 | | | | | .91 | -.038 | | | | |
| .95 | -.068 | -.104 | -.071 | -.056 | -.112 | .95 | -.062 | -.109 | -.090 | -.097 | -.112 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.080 | -.340 | -.725 | -.780 | -.871 | .05 | -.050 | -.200 | -.466 | -.632 | -.756 |
| .10 | -.163 | .168 | -.609 | -.884 | -1.004 | .10 | -.108 | .004 | -.449 | -.705 | -.841 |
| .20 | -.224 | .283 | -.566 | -.797 | -.979 | .20 | -.186 | .186 | -.442 | -.632 | -.829 |
| .30 | -.261 | -.340 | -.547 | -.719 | -.925 | .30 | -.221 | -.285 | -.455 | -.583 | -.733 |
| .40 | -.253 | -.385 | -.547 | -.672 | -.839 | .40 | -.215 | -.314 | -.468 | -.613 | -.209 |
| .50 | -.217 | -.438 | -.551 | -.467 | -.124 | .50 | -.173 | -.373 | -.477 | -.295 | -.174 |
| .60 | -.201 | -.370 | -.617 | -.124 | -.015 | .60 | -.163 | -.320 | -.573 | -.147 | -.064 |
| .67 | | | -.333 | | | .67 | | | -.310 | | |
| .70 | -.176 | -.323 | | .048 | .118 | .70 | -.129 | -.291 | | .077 | .122 |
| .80 | -.066 | | | .116 | .252 | .80 | -.035 | | | .237 | .259 |
| .84 | | | .168 | | | .84 | | | .227 | | |
| .86 | | -.139 | | | | .86 | | -.117 | | | |
| .90 | | | | .180 | .309 | .90 | | | | .305 | .319 |
| .91 | .014 | | | | | .91 | .028 | | | | |
| .95 | .253 | .033 | .330 | .236 | .291 | .95 | .162 | .057 | .343 | .305 | .309 |

RUN = 633 POINT = 5

TABLE 132 CONTINUED

RUN = 633 POINT = 6

| (C) ALPHA = 1.10 DEGREES | | | | | | (D) ALPHA = 1.95 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.001 | .248 | .556 | .755 | .694 | 0.00 | -.023 | .196 | .495 | .740 | .730 |
| .05 | -.185 | -.322 | -.408 | -.505 | -.254 | .05 | -.232 | -.403 | -.602 | -.695 | -.456 |
| .10 | -.227 | -.310 | -.546 | -.390 | -.264 | .10 | -.272 | -.383 | -.644 | -.686 | -.391 |
| .20 | -.235 | -.323 | -.453 | -.304 | -.250 | .20 | -.274 | -.419 | -.561 | -.273 | -.338 |
| .30 | -.178 | -.383 | -.311 | -.259 | -.254 | .30 | -.211 | -.450 | -.584 | -.258 | -.319 |
| .40 | -.189 | -.360 | -.193 | -.248 | -.270 | .40 | -.221 | -.429 | -.198 | -.282 | -.331 |
| .50 | -.239 | -.298 | -.141 | -.257 | -.266 | .50 | -.284 | -.360 | -.143 | -.299 | -.329 |
| .60 | -.237 | -.141 | -.104 | -.272 | -.284 | .60 | -.274 | -.158 | -.112 | -.312 | -.322 |
| .67 | | | -.061 | | | .67 | | | -.070 | | |
| .70 | -.185 | .019 | | -.298 | -.325 | .70 | -.236 | .008 | | -.338 | -.333 |
| .80 | -.126 | | | -.341 | -.412 | .80 | -.143 | | | -.343 | -.423 |
| .84 | | | -.015 | | | .84 | | | -.022 | | |
| .86 | | .132 | | | | .86 | | .125 | | | |
| .90 | | | | -.244 | -.398 | .90 | | | | -.228 | -.416 |
| .91 | -.080 | | | | | .91 | -.109 | | | | |
| .95 | -.076 | -.112 | -.102 | -.097 | -.122 | .95 | -.088 | -.112 | -.108 | -.091 | -.114 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.014 | -.114 | -.294 | -.464 | -.613 | .05 | .014 | -.026 | -.173 | -.290 | -.359 |
| .10 | -.076 | -.042 | -.349 | -.554 | -.704 | .10 | -.056 | -.043 | -.249 | -.397 | -.500 |
| .20 | -.153 | .108 | -.362 | -.497 | -.592 | .20 | -.118 | .054 | -.288 | -.394 | -.386 |
| .30 | -.185 | -.219 | -.364 | -.484 | -.458 | .30 | -.158 | -.164 | -.303 | -.409 | -.313 |
| .40 | -.179 | -.265 | -.377 | -.529 | -.243 | .40 | -.151 | -.212 | -.336 | -.448 | -.246 |
| .50 | -.145 | -.296 | -.418 | -.204 | -.206 | .50 | -.113 | -.262 | -.371 | -.215 | -.187 |
| .60 | -.131 | -.286 | -.539 | -.174 | -.083 | .60 | -.103 | -.248 | -.502 | -.183 | -.076 |
| .67 | | | -.255 | | | .67 | | | -.215 | | |
| .70 | -.103 | -.269 | | .075 | .112 | .70 | -.078 | -.246 | | .077 | .119 |
| .80 | -.012 | | | .252 | .252 | .80 | .010 | | | .256 | .265 |
| .84 | | | .252 | | | .84 | | | .266 | | |
| .86 | | -.088 | | | | .86 | | -.074 | | | |
| .90 | | | | .325 | .309 | .90 | | | | .328 | .327 |
| .91 | .048 | | | | | .91 | .057 | | | | |
| .95 | .113 | .071 | .357 | .315 | .308 | .95 | .086 | .083 | .363 | .316 | .330 |

| (E) ALPHA = 2.85 DEGREES | | | | | | (F) ALPHA = 3.37 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.040 | .138 | .438 | .715 | .743 | 0.00 | -.060 | .098 | .406 | .695 | .734 |
| .05 | -.277 | -.520 | -.853 | -.811 | -.710 | .05 | -.312 | -.618 | -.952 | -.873 | -.778 |
| .10 | -.311 | -.484 | -.796 | -.874 | -.729 | .10 | -.354 | -.561 | -.900 | -.929 | -.807 |
| .20 | -.305 | -.467 | -.644 | -.762 | -.573 | .20 | -.329 | -.510 | -.735 | -.864 | -.743 |
| .30 | -.239 | -.498 | -.675 | -.654 | -.290 | .30 | -.255 | -.528 | -.714 | -.786 | -.690 |
| .40 | -.246 | -.512 | -.471 | -.179 | -.326 | .40 | -.265 | -.551 | -.551 | -.262 | -.177 |
| .50 | -.305 | -.420 | -.157 | -.240 | -.335 | .50 | -.341 | -.469 | -.206 | -.201 | -.168 |
| .60 | -.324 | -.201 | -.107 | -.303 | -.360 | .60 | -.350 | -.338 | -.118 | -.268 | -.272 |
| .67 | | | -.071 | | | .67 | | | -.078 | | |
| .70 | -.305 | -.002 | | -.346 | -.397 | .70 | -.362 | -.021 | | -.312 | -.379 |
| .80 | -.182 | | | -.390 | -.427 | .80 | -.216 | | | -.358 | -.449 |
| .84 | | | -.025 | | | .84 | | | -.026 | | |
| .86 | | .120 | | | | .86 | | .120 | | | |
| .90 | | | | -.248 | -.383 | .90 | | | | -.249 | -.421 |
| .91 | -.127 | | | | | .91 | -.149 | | | | |
| .95 | -.099 | -.109 | -.107 | -.099 | -.105 | .95 | -.121 | -.097 | -.114 | -.108 | -.121 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .037 | .062 | -.049 | -.175 | -.165 | .05 | .051 | .099 | .007 | -.105 | -.114 |
| .10 | -.023 | .001 | -.159 | -.281 | -.268 | .10 | .002 | .038 | -.090 | -.223 | -.230 |
| .20 | -.095 | .033 | -.212 | -.307 | -.284 | .20 | -.075 | .036 | -.169 | -.268 | -.228 |
| .30 | -.123 | -.117 | -.244 | -.325 | -.249 | .30 | -.102 | -.086 | -.201 | -.279 | -.212 |
| .40 | -.123 | -.172 | -.277 | -.320 | -.228 | .40 | -.102 | -.149 | -.247 | -.275 | -.196 |
| .50 | -.083 | -.216 | -.329 | -.200 | -.167 | .50 | -.071 | -.189 | -.297 | -.184 | -.145 |
| .60 | -.074 | -.215 | -.470 | -.158 | -.066 | .60 | -.058 | -.195 | -.453 | -.152 | -.052 |
| .67 | | | -.183 | | | .67 | | | -.171 | | |
| .70 | -.057 | -.226 | | .092 | .119 | .70 | -.039 | -.204 | | .096 | .126 |
| .80 | .029 | | | .273 | .288 | .80 | .041 | | | .277 | .297 |
| .84 | | | .276 | | | .84 | | | .280 | | |
| .86 | | -.050 | | | | .86 | | -.038 | | | |
| .90 | | | | .340 | .363 | .90 | | | | .344 | .372 |
| .91 | .075 | | | | | .91 | .083 | | | | |
| .95 | .083 | .093 | .366 | .326 | .345 | .95 | .083 | .099 | .369 | .333 | .358 |

RUN = 633 POINT = 9

TABLE 132 CONTINUED

RUN = 633 POINT = 10

| (G) ALPHA = 3.90 DEGREES | | | | | | (H) ALPHA = 4.89 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | .051 | .365 | .675 | .738 | 0.00 | -.116 | -.029 | .296 | .647 | .723 |
| .05 | -.338 | -.730 | -1.024 | -.919 | -.826 | .05 | -.436 | -.891 | -1.161 | -1.009 | -.905 |
| .10 | -.370 | -.622 | -1.009 | -.969 | -.862 | .10 | -.432 | -.787 | -1.172 | -1.061 | -.963 |
| .20 | -.347 | -.533 | -.816 | -.949 | -.843 | .20 | -.390 | -.602 | -1.042 | -1.031 | -.944 |
| .30 | -.271 | -.571 | -.752 | -.867 | -.806 | .30 | -.301 | -.618 | -.797 | -1.005 | -.926 |
| .40 | -.279 | -.571 | -.605 | -.808 | -.724 | .40 | -.294 | -.643 | -.700 | -.970 | -.907 |
| .50 | -.349 | -.504 | -.374 | -.180 | -.722 | .50 | -.373 | -.560 | -.654 | -.903 | -.891 |
| .60 | -.366 | -.381 | -.140 | -.218 | -.279 | .60 | -.392 | -.585 | -.255 | -.309 | -.853 |
| .67 | | | -.095 | | | .67 | | | -.157 | | |
| .70 | -.394 | -.062 | | -.281 | -.304 | .70 | -.445 | -.142 | | -.242 | -.297 |
| .80 | -.262 | | | -.322 | -.383 | .80 | -.403 | | | -.261 | -.248 |
| .84 | | | -.039 | | | .84 | | | -.071 | | |
| .86 | | .111 | | | | .86 | | .076 | | | |
| .90 | | | | -.246 | -.402 | .90 | | | | -.200 | -.237 |
| .91 | -.169 | | | | | .91 | -.241 | | | | |
| .95 | -.139 | -.081 | -.131 | -.104 | -.134 | .95 | -.180 | -.066 | -.155 | -.089 | -.118 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .064 | .153 | .078 | -.045 | -.039 | .05 | .081 | .204 | .178 | .056 | .072 |
| .10 | .010 | .090 | -.041 | -.170 | -.144 | .10 | .047 | .134 | .028 | -.078 | -.050 |
| .20 | -.050 | .055 | -.135 | -.211 | -.183 | .20 | -.016 | .084 | -.072 | -.150 | -.116 |
| .30 | -.078 | -.066 | -.189 | -.230 | -.176 | .30 | -.046 | -.020 | -.137 | -.165 | -.116 |
| .40 | -.080 | -.121 | -.218 | -.243 | -.165 | .40 | -.042 | -.077 | -.196 | -.172 | -.120 |
| .50 | -.044 | -.167 | -.278 | -.165 | -.122 | .50 | -.014 | -.127 | -.227 | -.130 | -.087 |
| .60 | -.042 | -.182 | -.418 | -.129 | -.037 | .60 | -.006 | -.142 | -.346 | -.102 | -.009 |
| .67 | | | -.165 | | | .67 | | | -.152 | | |
| .70 | -.025 | -.190 | | .105 | .135 | .70 | .002 | -.169 | | .117 | .152 |
| .80 | .051 | | | .284 | .305 | .80 | .072 | | | .299 | .324 |
| .84 | | | .287 | | | .84 | | | .305 | | |
| .86 | | -.020 | | | | .86 | | -.008 | | | |
| .90 | | | | .351 | .379 | .90 | | | | .364 | .387 |
| .91 | .097 | | | | | .91 | .108 | | | | |
| .95 | .087 | .109 | .376 | .340 | .367 | .95 | .095 | .118 | .386 | .355 | .384 |

| (I) ALPHA = 6.03 DEGREES | | | | | | (J) ALPHA = 8.05 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.176 | -.146 | .199 | .583 | .699 | 0.00 | -.292 | -.328 | .043 | .475 | .650 |
| .05 | -.515 | -1.129 | -1.256 | -1.109 | -1.014 | .05 | -.621 | -1.231 | -1.405 | -1.263 | -1.179 |
| .10 | -.522 | -1.080 | -1.287 | -1.146 | -1.048 | .10 | -.640 | -1.237 | -1.369 | -1.276 | -1.202 |
| .20 | -.450 | -.662 | -1.206 | -1.120 | -1.035 | .20 | -.534 | -1.040 | -1.342 | -1.242 | -1.161 |
| .30 | -.339 | -.679 | -.958 | -1.102 | -1.023 | .30 | -.384 | -.923 | -1.154 | -1.185 | -1.128 |
| .40 | -.333 | -.690 | -.755 | -1.077 | -1.004 | .40 | -.386 | -.794 | -.969 | -1.147 | -1.021 |
| .50 | -.405 | -.614 | -.721 | -1.064 | -1.007 | .50 | -.473 | -.672 | -.815 | -.811 | -1.033 |
| .60 | -.435 | -.642 | -.438 | -.799 | -.990 | .60 | -.502 | -.708 | -.599 | -.590 | -.694 |
| .67 | | | -.256 | | | .67 | | | -.436 | | |
| .70 | -.494 | -.275 | | -.406 | -.790 | .70 | -.595 | -.557 | | -.453 | -.451 |
| .80 | -.520 | | | -.264 | -.528 | .80 | -.614 | | | -.381 | -.349 |
| .84 | | | -.119 | | | .84 | | | -.226 | | |
| .86 | | .010 | | | | .86 | | -.015 | | | |
| .90 | | | | -.138 | -.358 | .90 | | | | -.321 | -.312 |
| .91 | -.322 | | | | | .91 | -.407 | | | | |
| .95 | -.252 | -.096 | -.182 | -.063 | -.088 | .95 | -.360 | -.149 | -.249 | -.286 | -.249 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .093 | .260 | .263 | .140 | .147 | .05 | .115 | .347 | .405 | .301 | .271 |
| .10 | .073 | .186 | .110 | -0.000 | .044 | .10 | .119 | .263 | .236 | .140 | .161 |
| .20 | .020 | .119 | -.009 | -.077 | -.058 | .20 | .090 | .166 | .098 | .027 | .024 |
| .30 | -0.000 | .027 | -.087 | -.118 | -.074 | .30 | .077 | .099 | 0.000 | -.031 | -.019 |
| .40 | -.012 | -.042 | -.153 | -.131 | -.085 | .40 | .058 | .030 | -.064 | -.064 | -.068 |
| .50 | .016 | -.092 | -.192 | -.105 | -.067 | .50 | .071 | -.027 | -.134 | -.085 | -.079 |
| .60 | .012 | -.122 | -.310 | -.093 | -.006 | .60 | .066 | -.061 | -.247 | -.095 | -.047 |
| .67 | | | -.148 | | | .67 | | | -.122 | | |
| .70 | .018 | -.147 | | .123 | .151 | .70 | .066 | -.111 | | .087 | .089 |
| .80 | .084 | | | .296 | .316 | .80 | .120 | | | .257 | .262 |
| .84 | | | .306 | | | .84 | | | .301 | | |
| .86 | | -.002 | | | | .86 | | .012 | | | |
| .90 | | | | .363 | .379 | .90 | | | | .315 | .320 |
| .91 | .112 | | | | | .91 | .132 | | | | |
| .95 | .099 | .111 | .383 | .354 | .365 | .95 | .117 | .133 | .366 | .285 | .285 |

RUN = 633 POINT = 13

TABLE 132 CONTINUED

RUN = 633 POINT = 14

| (K) ALPHA = 9.84 DEGREES | | | | | | (L) ALPHA = 11.74 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.389 | -.503 | -.101 | .361 | .599 | 0.00 | -.471 | -.691 | -.292 | .254 | .543 |
| .05 | -.889 | -1.296 | -1.237 | -.831 | -.673 | .05 | -1.024 | -1.285 | -1.283 | -.672 | -.516 |
| .10 | -.760 | -1.304 | -1.197 | -.799 | -.580 | .10 | -.974 | -1.298 | -1.258 | -.662 | -.488 |
| .20 | -.590 | -1.258 | -1.063 | -.738 | -.478 | .20 | -.664 | -1.332 | -1.046 | -.655 | -.496 |
| .30 | -.461 | -1.258 | -.983 | -.680 | -.447 | .30 | -.513 | -1.400 | -.933 | -.647 | -.489 |
| .40 | -.448 | -1.216 | -.925 | -.636 | -.408 | .40 | -.471 | -1.426 | -.843 | -.625 | -.461 |
| .50 | -.552 | -.894 | -.828 | -.578 | -.399 | .50 | -.556 | -1.109 | -.816 | -.608 | -.468 |
| .60 | -.605 | -.529 | -.762 | -.549 | -.401 | .60 | -.570 | -.979 | -.795 | -.575 | -.446 |
| .67 | | | -.720 | | | .67 | | | -.767 | | |
| .70 | -.686 | -.364 | | -.506 | -.357 | .70 | -.658 | -.704 | | -.542 | -.409 |
| .80 | -.650 | | | -.487 | -.352 | .80 | -.664 | | | -.525 | -.405 |
| .84 | | | -.405 | | | .84 | | | -.440 | | |
| .86 | | -.125 | | | | .86 | | -.331 | | | |
| .90 | | | | -.461 | -.348 | .90 | | | | -.512 | -.402 |
| .91 | -.448 | | | | | .91 | -.462 | | | | |
| .95 | -.313 | -.248 | -.542 | -.448 | -.334 | .95 | -.365 | -.401 | -.617 | -.490 | -.382 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .121 | .395 | .490 | .394 | .352 | .05 | .110 | .427 | .555 | .481 | .430 |
| .10 | .149 | .313 | .322 | .226 | .217 | .10 | .171 | .362 | .398 | .313 | .282 |
| .20 | .138 | .212 | .179 | .091 | .059 | .20 | .179 | .262 | .252 | .158 | .128 |
| .30 | .117 | .166 | .072 | .006 | -.001 | .30 | .179 | .218 | .138 | .067 | .051 |
| .40 | .110 | .086 | -.006 | -.047 | -.068 | .40 | .177 | .144 | .051 | .008 | -.018 |
| .50 | .115 | .019 | -.095 | -.095 | -.096 | .50 | .163 | .069 | -.053 | -.061 | -.062 |
| .60 | .106 | -.034 | -.226 | -.136 | -.080 | .60 | .148 | .006 | -.190 | -.113 | -.062 |
| .67 | | | -.145 | | | .67 | | | -.124 | | |
| .70 | .091 | -.089 | | .038 | .057 | .70 | .129 | -.065 | | .048 | .056 |
| .80 | .138 | | | .217 | .233 | .80 | .160 | | | .225 | .233 |
| .84 | | | .266 | | | .84 | | | .265 | | |
| .86 | | 0.000 | | | | .86 | | -.006 | | | |
| .90 | | | | .280 | .289 | .90 | | | | .272 | .288 |
| .91 | .142 | | | | | .91 | .154 | | | | |
| .95 | .125 | .109 | .316 | .243 | .252 | .95 | .139 | .077 | .313 | .237 | .247 |

RUN = 633 POINT = 15

TABLE 132 CONCLUDED

| | (M) ALPHA = .19 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .275 | .581 | .746 | .638 |
| .05 | -.143 | -.213 | -.259 | -.271 | -.114 |
| .10 | -.189 | -.228 | -.378 | -.252 | -.142 |
| .20 | -.206 | -.259 | -.267 | -.221 | -.170 |
| .30 | -.153 | -.296 | -.261 | -.195 | -.180 |
| .40 | -.158 | -.273 | -.162 | -.191 | -.208 |
| .50 | -.200 | -.750 | -.114 | -.208 | -.212 |
| .60 | -.202 | -.114 | -.084 | -.236 | -.233 |
| .67 | | | -.047 | | |
| .70 | -.160 | .036 | | -.280 | -.254 |
| .80 | -.126 | | | -.319 | -.345 |
| .84 | | | -.011 | | |
| .86 | | .137 | | | |
| .90 | | | | -.247 | -.387 |
| .91 | -.194 | | | | |
| .95 | -.196 | -.110 | -.095 | -.099 | -.156 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.054 | -.210 | -.461 | -.647 | -.771 |
| .10 | -.117 | .118 | -.467 | -.724 | -.847 |
| .20 | -.200 | .213 | -.450 | -.639 | -.849 |
| .30 | -.230 | -.278 | -.452 | -.595 | -.741 |
| .40 | -.228 | -.313 | -.474 | -.608 | -.156 |
| .50 | -.179 | -.372 | -.480 | -.304 | -.177 |
| .60 | -.172 | -.324 | -.584 | -.147 | -.063 |
| .67 | | | -.310 | | |
| .70 | -.143 | -.296 | | .083 | .118 |
| .80 | -.041 | | | .237 | .258 |
| .84 | | | .223 | | |
| .86 | | -.114 | | | |
| .90 | | | | .307 | .307 |
| .91 | .022 | | | | |
| .95 | .090 | .053 | .341 | .305 | .298 |

RUN = 632 POINT = 3

TABLE 133

WING PRESSURE COEFFICIENTS

RUN = 632 POINT = 4

| (A) ALPHA = -.86 DEGREES | | | | | | (B) ALPHA = .14 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .020 | .313 | .626 | .753 | .598 | 0.00 | .003 | .282 | .590 | .754 | .652 |
| .05 | -.102 | -.094 | -.100 | -.113 | .006 | .05 | -.140 | -.199 | -.235 | -.279 | -.118 |
| .10 | -.138 | -.125 | -.258 | -.143 | -.039 | .10 | -.188 | -.203 | -.367 | -.270 | -.145 |
| .20 | -.161 | -.182 | -.193 | -.145 | -.099 | .20 | -.207 | -.249 | -.348 | -.239 | -.173 |
| .30 | -.106 | -.239 | -.197 | -.143 | -.115 | .30 | -.150 | -.309 | -.286 | -.211 | -.191 |
| .40 | -.117 | -.214 | -.114 | -.142 | -.158 | .40 | -.157 | -.307 | -.162 | -.198 | -.219 |
| .50 | -.153 | -.133 | -.073 | -.168 | -.152 | .50 | -.203 | -.214 | -.120 | -.216 | -.217 |
| .60 | -.150 | -.081 | -.042 | -.199 | -.195 | .60 | -.201 | -.114 | -.081 | -.251 | -.247 |
| .67 | | | -.015 | | | .67 | | | -.043 | | |
| .70 | -.123 | .063 | | -.239 | -.261 | .70 | -.165 | .040 | | -.281 | -.289 |
| .80 | -.079 | | | -.267 | -.372 | .80 | -.110 | | | -.329 | -.423 |
| .84 | | | .007 | | | .84 | | | -.007 | | |
| .86 | | .156 | | | | .86 | | .142 | | | |
| .90 | | | | -.181 | -.250 | .90 | | | | -.235 | -.291 |
| .91 | .029 | | | | | .91 | -.051 | | | | |
| .95 | -.075 | -.117 | -.075 | -.035 | -.074 | .95 | -.080 | -.127 | -.099 | -.083 | -.097 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.086 | -.342 | -.668 | -.732 | -.811 | .05 | -.051 | -.221 | -.450 | -.603 | -.710 |
| .10 | -.150 | .112 | -.588 | -.852 | -.943 | .10 | -.123 | -.033 | -.458 | -.677 | -.854 |
| .20 | -.228 | .251 | -.550 | -.824 | -.943 | .20 | -.199 | .144 | -.441 | -.640 | -.831 |
| .30 | -.274 | -.351 | -.541 | -.732 | -.911 | .30 | -.228 | -.284 | -.456 | -.605 | -.784 |
| .40 | -.259 | -.373 | -.563 | -.706 | -.859 | .40 | -.226 | -.315 | -.486 | -.642 | -.722 |
| .50 | -.215 | -.454 | -.623 | -.749 | -.507 | .50 | -.178 | -.384 | -.514 | -.692 | -.141 |
| .60 | -.203 | -.415 | -.648 | -.145 | -.064 | .60 | -.178 | -.352 | -.582 | -.159 | -.025 |
| .67 | | | -.471 | | | .67 | | | -.501 | | |
| .70 | -.192 | -.324 | | -.004 | .072 | .70 | -.152 | -.298 | | .070 | .134 |
| .80 | -.079 | | | .042 | .201 | .80 | -.049 | | | .220 | .274 |
| .84 | | | .125 | | | .84 | | | .185 | | |
| .86 | | -.189 | | | | .86 | | -.168 | | | |
| .90 | | | | .105 | .265 | .90 | | | | .285 | .329 |
| .91 | -.002 | | | | | .91 | .012 | | | | |
| .95 | .251 | .009 | .338 | .143 | .251 | .95 | .151 | .042 | .339 | .281 | .320 |

RUN = 632 POINT = 5

TABLE 133 CONTINUED

RUN = 632 POINT = 6

| (C) ALPHA = 1.03 DEGREES | | | | | | (D) ALPHA = 1.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.003 | .244 | .554 | .750 | .691 | 0.00 | -.019 | .207 | .516 | .745 | .726 |
| .05 | -.187 | -.303 | -.362 | -.515 | -.262 | .05 | -.227 | -.393 | -.572 | -.649 | -.506 |
| .10 | -.227 | -.303 | -.512 | -.439 | -.257 | .10 | -.263 | -.378 | -.655 | -.692 | -.404 |
| .20 | -.242 | -.324 | -.468 | -.281 | -.261 | .20 | -.270 | -.397 | -.544 | -.562 | -.304 |
| .30 | -.180 | -.389 | -.493 | -.240 | -.252 | .30 | -.202 | -.442 | -.584 | -.216 | -.294 |
| .40 | -.185 | -.370 | -.169 | -.251 | -.285 | .40 | -.210 | -.444 | -.391 | -.193 | -.315 |
| .50 | -.246 | -.278 | -.130 | -.275 | -.283 | .50 | -.272 | -.343 | -.134 | -.258 | -.313 |
| .60 | -.250 | -.136 | -.096 | -.288 | -.301 | .60 | -.287 | -.199 | -.089 | -.308 | -.364 |
| .67 | | | -.054 | | | .67 | | | -.052 | | |
| .70 | -.223 | .028 | | -.312 | -.331 | .70 | -.278 | .021 | | -.355 | -.385 |
| .80 | -.132 | | | -.357 | -.454 | .80 | -.164 | | | -.406 | -.427 |
| .84 | | | -.017 | | | .84 | | | -.012 | | |
| .86 | | .133 | | | | .86 | | .134 | | | |
| .90 | | | | -.236 | -.308 | .90 | | | | -.234 | -.287 |
| .91 | -.093 | | | | | .91 | -.110 | | | | |
| .95 | -.081 | -.130 | -.109 | -.082 | -.099 | .95 | -.075 | -.113 | -.102 | -.084 | -.085 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.020 | -.129 | -.303 | -.468 | -.591 | .05 | .009 | -.027 | -.164 | -.314 | -.374 |
| .10 | -.088 | -.077 | -.347 | -.544 | -.718 | .10 | -.057 | -.050 | -.238 | -.414 | -.533 |
| .20 | -.162 | .072 | -.362 | -.502 | -.672 | .20 | -.128 | .033 | -.284 | -.406 | -.489 |
| .30 | -.198 | -.226 | -.394 | -.507 | -.591 | .30 | -.163 | -.171 | -.327 | -.418 | -.387 |
| .40 | -.195 | -.265 | -.420 | -.550 | -.486 | .40 | -.159 | -.213 | -.355 | -.494 | -.208 |
| .50 | -.153 | -.337 | -.433 | -.556 | -.148 | .50 | -.119 | -.268 | -.384 | -.186 | -.189 |
| .60 | -.143 | -.301 | -.556 | -.130 | -.067 | .60 | -.108 | -.262 | -.503 | -.145 | -.080 |
| .67 | | | -.466 | | | .67 | | | -.382 | | |
| .70 | -.130 | -.276 | | .085 | .125 | .70 | -.089 | -.249 | | .087 | .117 |
| .80 | -.024 | | | .248 | .273 | .80 | .003 | | | .266 | .266 |
| .84 | | | .217 | | | .84 | | | .255 | | |
| .86 | | -.142 | | | | .86 | -.110 | | | | |
| .90 | | | | .317 | .338 | .90 | | | | .328 | .335 |
| .91 | .030 | | | | | .91 | .052 | | | | |
| .95 | .102 | .056 | .352 | .299 | .327 | .95 | .088 | .071 | .366 | .315 | .324 |

RUN = 632 POINT = 7

TABLE 133

CONTINUED

RUN = 632 POINT = 10

| (E) ALPHA = 2.85 DEGREES | | | | | | (F) ALPHA = 3.29 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.044 | .143 | .456 | .717 | .738 | 0.00 | 1.015 | .033 | -.219 | .282 | .351 |
| .05 | -.278 | -.528 | -.818 | -.758 | -.675 | .05 | -.322 | .071 | -.081 | .375 | .346 |
| .10 | -.327 | -.495 | -.782 | -.834 | -.699 | .10 | -.054 | .075 | .092 | .708 | .742 |
| .20 | -.316 | -.454 | -.637 | -.777 | -.675 | .20 | -.050 | .120 | .419 | .708 | .740 |
| .30 | -.233 | -.494 | -.656 | -.740 | -.585 | .30 | -.307 | 1.009 | .429 | .710 | -.712 |
| .40 | -.235 | -.499 | -.524 | -.540 | -.309 | .40 | -.338 | 1.009 | -.901 | -.801 | -.752 |
| .50 | -.312 | -.406 | -.442 | -.148 | -.419 | .50 | -.329 | -.316 | -.839 | -.876 | -.744 |
| .60 | -.326 | -.438 | -.124 | -.226 | -.279 | .60 | -.248 | -.517 | -.697 | -.834 | -.719 |
| .67 | | | -.076 | | | .67 | | | -.695 | | |
| .70 | -.346 | -.036 | | -.286 | -.379 | .70 | -.250 | -.534 | | -.805 | -.719 |
| .80 | -.263 | | | -.355 | -.507 | .80 | -.322 | | | -.744 | -.659 |
| .84 | | | -.027 | | | .84 | | | -.557 | | |
| .86 | | .133 | | | | .86 | | -.505 | | | |
| .90 | | | | -.270 | -.305 | .90 | | | | -.362 | -.641 |
| .91 | -.158 | | | | | .91 | -.335 | | | | |
| .95 | -.082 | -.105 | -.114 | -.109 | -.094 | .95 | -.378 | -.488 | -.555 | -.204 | -.521 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .036 | .051 | -.047 | -.185 | -.211 | .05 | -.333 | -.074 | 1.019 | -.259 | -.286 |
| .10 | -.024 | -.015 | -.148 | -.307 | -.396 | .10 | -.333 | .118 | 1.019 | -.325 | -.441 |
| .20 | -.095 | .016 | -.211 | -.333 | -.305 | .20 | -.235 | -.098 | -.318 | -.254 | -.363 |
| .30 | -.127 | -.128 | -.253 | -.342 | -.281 | .30 | -.130 | .096 | .033 | -.100 | -.108 |
| .40 | -.129 | -.171 | -.299 | -.416 | -.235 | .40 | .048 | .086 | -.098 | -.131 | -.144 |
| .50 | -.088 | -.227 | -.336 | -.170 | -.170 | .50 | -.011 | .056 | -.177 | -.250 | -.286 |
| .60 | -.078 | -.225 | -.475 | -.155 | -.067 | .60 | -.084 | -.095 | -.221 | 1.007 | -.264 |
| .67 | | | -.283 | | | .67 | | | -.259 | | |
| .70 | -.056 | -.229 | | .094 | .124 | .70 | -.110 | -.095 | | 1.007 | -.236 |
| .80 | .023 | | | .274 | .290 | .80 | -.099 | | | -.318 | -.212 |
| .84 | | | .275 | | | .84 | | | -.310 | | |
| .86 | | -.080 | | | | .86 | | -.149 | | | |
| .90 | | | | .339 | .369 | .90 | | | | -.134 | -.155 |
| .91 | .064 | | | | | .91 | -.072 | | | | |
| .95 | .075 | .085 | .376 | .327 | .351 | .95 | -.065 | -.202 | -.459 | .108 | -.049 |

RUN = 632 POINT = 12

TABLE 133 CONTINUED

RUN = 632 POINT = 13

| (G) ALPHA = 3.86 DEGREES | | | | | | (H) ALPHA = 4.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.074 | .067 | .390 | .693 | .740 | 0.00 | -.113 | -.012 | .316 | .664 | .731 |
| .05 | -.360 | -.703 | -.977 | -.853 | -.764 | .05 | -.423 | -.894 | -1.084 | -.945 | -.829 |
| .10 | -.377 | -.619 | -.956 | -.911 | -.814 | .10 | -.442 | -.747 | -1.114 | -.986 | -.886 |
| .20 | -.347 | -.521 | -.794 | -.884 | -.786 | .20 | -.395 | -.564 | -.976 | -.967 | -.876 |
| .30 | -.267 | -.550 | -.731 | -.866 | -.779 | .30 | -.298 | -.598 | -.770 | -.945 | -.860 |
| .40 | -.261 | -.573 | -.622 | -.822 | -.778 | .40 | -.292 | -.625 | -.685 | -.929 | -.855 |
| .50 | -.340 | -.546 | -.601 | -.800 | -.772 | .50 | -.352 | -.577 | -.640 | -.931 | -.857 |
| .60 | -.357 | -.525 | -.280 | -.268 | -.738 | .60 | -.386 | -.581 | -.485 | -.905 | -.853 |
| .67 | | | -.149 | | | .67 | | | -.253 | | |
| .70 | -.394 | -.149 | | -.230 | -.200 | .70 | -.433 | -.294 | | -.447 | -.808 |
| .80 | -.417 | | | -.285 | -.313 | .80 | -.470 | | | -.269 | -.511 |
| .84 | | | -.080 | | | .84 | | | -.126 | | |
| .86 | | .086 | | | | .86 | | .018 | | | |
| .90 | | | | -.228 | -.313 | .90 | | | | -.178 | -.277 |
| .91 | -.282 | | | | | .91 | -.319 | | | | |
| .95 | -.123 | -.093 | -.164 | -.087 | -.125 | .95 | -.171 | -.109 | -.205 | -.076 | -.063 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .054 | .138 | .083 | -.064 | -.070 | .05 | .078 | .203 | .179 | .016 | .026 |
| .10 | .011 | .125 | -.056 | -.193 | -.207 | .10 | .037 | .158 | .034 | -.107 | -.108 |
| .20 | -.058 | .091 | -.139 | -.252 | -.212 | .20 | -.023 | .116 | -.074 | -.173 | -.146 |
| .30 | -.082 | -.070 | -.201 | -.270 | -.200 | .30 | -.048 | -.019 | -.142 | -.222 | -.148 |
| .40 | -.089 | -.119 | -.234 | -.299 | -.177 | .40 | -.048 | -.083 | -.200 | -.240 | -.146 |
| .50 | -.054 | -.178 | -.290 | -.170 | -.127 | .50 | -.018 | -.141 | -.255 | -.151 | -.103 |
| .60 | -.046 | -.187 | -.439 | -.129 | -.032 | .60 | -.021 | -.162 | -.416 | -.113 | -.019 |
| .67 | | | -.195 | | | .67 | | | -.162 | | |
| .70 | -.028 | -.202 | | .111 | .147 | .70 | -.007 | -.181 | | .120 | .161 |
| .80 | .042 | | | .293 | .317 | .80 | .058 | | | .293 | .321 |
| .84 | | | .284 | | | .84 | | | .295 | | |
| .86 | | -.057 | | | | .86 | | -.041 | | | |
| .90 | | | | .355 | .383 | .90 | | | | .364 | .385 |
| .91 | .084 | | | | | .91 | .088 | | | | |
| .95 | .082 | .106 | .379 | .352 | .384 | .95 | .084 | .105 | .385 | .359 | .383 |

RUN = 632 POINT = 14

TABLE 133 CONCLUDED

RUN = 632 POINT = 15

| (I) ALPHA = 6.00 DEGREES | | | | | | (J) ALPHA = 8.02 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.174 | -.118 | .240 | .604 | .721 | 0.00 | -.272 | -.300 | .085 | .507 | .674 |
| .05 | -.517 | -1.087 | -1.192 | -1.033 | -.932 | .05 | -.697 | -1.189 | -1.317 | -1.174 | -1.082 |
| .10 | -.500 | -1.057 | -1.226 | -1.068 | -.973 | .10 | -.636 | -1.182 | -1.308 | -1.198 | -1.123 |
| .20 | -.461 | -.633 | -1.142 | -1.053 | -.963 | .20 | -.533 | -1.012 | -1.270 | -1.168 | -1.096 |
| .30 | -.323 | -.648 | -.971 | -1.039 | -.949 | .30 | -.384 | -.893 | -1.120 | -1.148 | -1.070 |
| .40 | -.321 | -.667 | -.729 | -1.015 | -.944 | .40 | -.365 | -.762 | -.931 | -1.123 | -1.002 |
| .50 | -.390 | -.614 | -.699 | -1.017 | -.940 | .50 | -.445 | -.665 | -.848 | -1.079 | -1.004 |
| .60 | -.420 | -.623 | -.657 | -1.011 | -.945 | .60 | -.500 | -.677 | -.671 | -.807 | -.940 |
| .67 | | | -.332 | | | .67 | | | -.503 | | |
| .70 | -.471 | -.434 | | -.711 | -.831 | .70 | -.563 | -.671 | | -.560 | -.437 |
| .80 | -.521 | | | -.396 | -.519 | .80 | -.598 | | | -.436 | -.359 |
| .84 | | | -.176 | | | .84 | | | -.264 | | |
| .86 | | -.051 | | | | .86 | | -.078 | | | |
| .90 | | | | -.173 | -.368 | .90 | | | | -.364 | -.338 |
| .91 | -.364 | | | | | .91 | -.442 | | | | |
| .95 | -.232 | -.157 | -.246 | -.075 | -.188 | .95 | -.294 | -.264 | -.298 | -.319 | -.293 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .094 | .264 | .256 | .119 | .122 | .05 | .116 | .343 | .397 | .272 | .255 |
| .10 | .070 | .200 | .099 | -.020 | -.022 | .10 | .113 | .264 | .232 | .117 | .106 |
| .20 | .014 | .146 | -.022 | -.104 | -.084 | .20 | .083 | .185 | .090 | .010 | .001 |
| .30 | -.011 | .023 | -.104 | -.150 | -.105 | .30 | .064 | .106 | .004 | -.057 | -.046 |
| .40 | -.013 | -.038 | -.161 | -.155 | -.116 | .40 | .053 | .032 | -.069 | -.099 | -.089 |
| .50 | .012 | -.099 | -.223 | -.130 | -.098 | .50 | .070 | -.034 | -.148 | -.106 | -.103 |
| .60 | .007 | -.134 | -.385 | -.103 | -.024 | .60 | .059 | -.076 | -.319 | -.108 | -.072 |
| .67 | | | -.159 | | | .67 | | | -.159 | | |
| .70 | .014 | -.155 | | .112 | .133 | .70 | .059 | -.125 | | .081 | .082 |
| .80 | .076 | | | .292 | .299 | .80 | .109 | | | .255 | .253 |
| .84 | | | .302 | | | .84 | | | .296 | | |
| .86 | | -.044 | | | | .86 | | -.025 | | | |
| .90 | | | | .359 | .356 | .90 | | | | .319 | .307 |
| .91 | .098 | | | | | .91 | .115 | | | | |
| .95 | .091 | .100 | .387 | .349 | .331 | .95 | .118 | .109 | .365 | .281 | .279 |

RUN = 631 POINT = 3

TABLE 134

WING PRESSURE COEFFICIENTS

RUN = 631 POINT = 4

| (A) ALPHA = -.93 DEGREES | | | | | | (B) ALPHA = .14 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .017 | .306 | .619 | .752 | .606 | 0.00 | .017 | .289 | .601 | .761 | .675 |
| .05 | -.090 | -.086 | -.094 | -.128 | -.012 | .05 | -.132 | -.189 | -.232 | -.332 | -.134 |
| .10 | -.128 | -.103 | -.249 | -.150 | -.054 | .10 | -.170 | -.197 | -.389 | -.286 | -.157 |
| .20 | -.154 | -.177 | -.232 | -.150 | -.105 | .20 | -.195 | -.247 | -.360 | -.238 | -.183 |
| .30 | -.105 | -.222 | -.222 | -.152 | -.133 | .30 | -.136 | -.320 | -.372 | -.212 | -.199 |
| .40 | -.116 | -.228 | -.123 | -.143 | -.170 | .40 | -.151 | -.311 | -.147 | -.173 | -.232 |
| .50 | -.158 | .458 | -.083 | -.185 | -.168 | .50 | -.198 | .147 | -.105 | -.223 | -.229 |
| .60 | -.152 | -.087 | -.056 | -.219 | -.203 | .60 | -.206 | -.112 | -.072 | -.253 | -.267 |
| .67 | | | -.022 | | | .67 | | | -.034 | | |
| .70 | -.133 | .063 | | -.259 | -.258 | .70 | -.187 | .047 | | -.293 | -.297 |
| .80 | -.090 | | | -.283 | -.398 | .80 | -.112 | | | -.332 | -.407 |
| .84 | | | -.001 | | | .84 | | | -.010 | | |
| .86 | | .153 | | | | .86 | | .149 | | | |
| .90 | | | | -.185 | -.249 | .90 | | | | -.195 | -.299 |
| .91 | -.044 | | | | | .91 | -.076 | | | | |
| .95 | -.092 | -.150 | -.096 | -.047 | -.056 | .95 | -.085 | -.135 | -.101 | -.035 | -.065 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.335 | -.647 | -.689 | -.753 | .05 | -.034 | -.208 | -.450 | -.556 | -.658 |
| .10 | -.147 | .455 | -.563 | -.806 | -.893 | .10 | -.106 | .176 | -.452 | -.644 | -.799 |
| .20 | -.222 | .867 | -.550 | -.754 | -.888 | .20 | -.183 | .641 | -.430 | -.617 | -.770 |
| .30 | -.288 | -.350 | -.524 | -.719 | -.867 | .30 | -.247 | -.284 | -.454 | -.584 | -.766 |
| .40 | -.234 | -.365 | -.541 | -.706 | -.849 | .40 | -.215 | -.312 | -.480 | -.617 | -.729 |
| .50 | -.199 | -.455 | -.626 | -.747 | -.707 | .50 | -.170 | -.385 | -.535 | -.672 | -.663 |
| .60 | -.203 | -.446 | -.686 | -.226 | -.228 | .60 | -.161 | -.375 | -.602 | -.227 | -.052 |
| .67 | | | -.634 | | | .67 | | | -.550 | | |
| .70 | -.199 | -.352 | | -.102 | -.023 | .70 | -.149 | -.295 | | -.024 | .107 |
| .80 | -.092 | | | -.021 | .074 | .80 | -.053 | | | .121 | .230 |
| .84 | | | .076 | | | .84 | | | .146 | | |
| .86 | | -.243 | | | | .86 | | -.206 | | | |
| .90 | | | | .071 | .181 | .90 | | | | .216 | .303 |
| .91 | -.027 | | | | | .91 | .004 | | | | |
| .95 | .660 | -.004 | .338 | .109 | .193 | .95 | .408 | .039 | .334 | .228 | .301 |

RUN = 631 POINT = 5

TABLE 134

CONTINUED

RUN = 631 POINT = 6

| (C) ALPHA = 1.09 DEGREES | | | | | | (D) ALPHA = 1.88 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -0.000 | .263 | .564 | .758 | .716 | 0.00 | -.018 | .225 | .527 | .745 | .724 |
| .05 | -.173 | -.282 | -.370 | -.513 | -.294 | .05 | -.223 | -.357 | -.543 | -.616 | -.507 |
| .10 | -.211 | -.284 | -.494 | -.530 | -.277 | .10 | -.254 | -.357 | -.619 | -.664 | -.526 |
| .20 | -.233 | -.318 | -.442 | -.419 | -.256 | .20 | -.270 | -.372 | -.524 | -.620 | -.458 |
| .30 | -.164 | -.372 | -.511 | -.283 | -.259 | .30 | -.191 | -.432 | -.562 | -.557 | -.233 |
| .40 | -.182 | -.387 | -.340 | -.167 | -.286 | .40 | -.201 | -.429 | -.423 | -.484 | -.211 |
| .50 | -.231 | -.070 | -.108 | -.239 | -.289 | .50 | -.263 | -.214 | -.429 | -.160 | -.218 |
| .60 | -.243 | -.237 | -.062 | -.296 | -.340 | .60 | -.276 | -.391 | -.109 | -.222 | -.348 |
| .67 | | | -.037 | | | .67 | | | -.045 | | |
| .70 | -.248 | .041 | | -.349 | -.338 | .70 | -.297 | -.007 | | -.279 | -.364 |
| .80 | -.145 | | | -.401 | -.465 | .80 | -.257 | | | -.375 | -.530 |
| .84 | | | -.009 | | | .84 | | | -.014 | | |
| .86 | | .153 | | | | .86 | | .150 | | | |
| .90 | | | | -.198 | -.289 | .90 | | | | -.268 | -.245 |
| .91 | -.101 | | | | | .91 | -.158 | | | | |
| .95 | -.075 | -.125 | -.106 | -.053 | -.076 | .95 | -.079 | -.111 | -.104 | -.081 | -.071 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.011 | -.108 | -.274 | -.423 | -.532 | .05 | .009 | -.033 | -.174 | -.310 | -.385 |
| .10 | -.077 | .058 | -.309 | -.530 | -.668 | .10 | -.047 | .024 | -.250 | -.432 | -.556 |
| .20 | -.156 | .450 | -.349 | -.502 | -.650 | .20 | -.129 | .309 | -.290 | -.425 | -.525 |
| .30 | -.194 | -.220 | -.379 | -.491 | -.603 | .30 | -.161 | -.174 | -.338 | -.436 | -.497 |
| .40 | -.182 | -.256 | -.418 | -.552 | -.586 | .40 | -.154 | -.221 | -.366 | -.495 | -.457 |
| .50 | -.137 | -.326 | -.464 | -.611 | -.355 | .50 | -.112 | -.278 | -.393 | -.552 | -.130 |
| .60 | -.133 | -.313 | -.529 | -.165 | -.026 | .60 | -.109 | -.276 | -.508 | -.120 | -.059 |
| .67 | | | -.515 | | | .67 | | | -.495 | | |
| .70 | -.118 | -.265 | | .071 | .134 | .70 | -.094 | -.244 | | .093 | .125 |
| .80 | -.021 | | | .221 | .268 | .80 | -0.000 | | | .252 | .273 |
| .84 | | | .190 | | | .84 | | | .218 | | |
| .86 | | -.196 | | | | .86 | | -.159 | | | |
| .90 | | | | .276 | .351 | .90 | | | | .307 | .344 |
| .91 | .027 | | | | | .91 | .044 | | | | |
| .95 | .266 | .064 | .356 | .275 | .339 | .95 | .182 | .074 | .370 | .292 | .333 |

| (E) ALPHA = 2.83 DEGREES | | | | | | (F) ALPHA = 3.35 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.035 | .170 | .478 | .732 | .732 | 0.00 | -.051 | .129 | .448 | .725 | .734 |
| .05 | -.296 | -.493 | -.726 | -.682 | -.612 | .05 | -.323 | -.560 | -.829 | -.735 | -.654 |
| .10 | -.308 | -.468 | -.698 | -.764 | -.645 | .10 | -.340 | -.510 | -.814 | -.803 | -.685 |
| .20 | -.294 | -.424 | -.618 | -.720 | -.640 | .20 | -.321 | -.454 | -.682 | -.775 | -.690 |
| .30 | -.218 | -.475 | -.630 | -.704 | -.626 | .30 | -.245 | -.496 | -.665 | -.750 | -.676 |
| .40 | -.223 | -.494 | -.478 | -.631 | -.626 | .40 | -.232 | -.509 | -.539 | -.717 | -.676 |
| .50 | -.289 | -.327 | -.522 | -.574 | -.634 | .50 | -.306 | -.401 | -.541 | -.623 | -.676 |
| .60 | -.304 | -.450 | -.282 | -.334 | -.445 | .60 | -.319 | -.467 | -.415 | -.607 | -.667 |
| .67 | | | -.119 | | | .67 | | | -.184 | | |
| .70 | -.328 | -.150 | | -.240 | -.215 | .70 | -.347 | -.232 | | -.287 | -.558 |
| .80 | -.362 | | | -.292 | -.371 | .80 | -.390 | | | -.263 | -.283 |
| .84 | | | -.055 | | | .84 | | | -.077 | | |
| .86 | | .114 | | | | .86 | | .071 | | | |
| .90 | | | | -.209 | -.388 | .90 | | | | -.179 | -.273 |
| .91 | -.220 | | | | | .91 | -.258 | | | | |
| .95 | -.091 | -.119 | -.144 | -.070 | -.097 | .95 | -.103 | -.137 | -.181 | -.061 | -.103 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .041 | .057 | -.060 | -.202 | -.241 | .05 | .051 | .099 | -.006 | -.146 | -.179 |
| .10 | -.016 | .042 | -.151 | -.312 | -.445 | .10 | .001 | .067 | -.114 | -.258 | -.376 |
| .20 | -.091 | .219 | -.226 | -.336 | -.418 | .20 | -.081 | .169 | -.188 | -.303 | -.342 |
| .30 | -.124 | -.127 | -.262 | -.359 | -.343 | .30 | -.107 | -.100 | -.234 | -.327 | -.257 |
| .40 | -.115 | -.172 | -.301 | -.446 | -.221 | .40 | -.105 | -.152 | -.259 | -.409 | -.203 |
| .50 | -.081 | -.231 | -.348 | -.405 | -.156 | .50 | -.066 | -.203 | -.309 | -.256 | -.141 |
| .60 | -.076 | -.229 | -.468 | -.112 | -.057 | .60 | -.058 | -.216 | -.453 | -.127 | -.048 |
| .67 | | | -.458 | | | .67 | | | -.435 | | |
| .70 | -.063 | -.229 | | .112 | .136 | .70 | -.045 | -.211 | | .107 | .136 |
| .80 | .026 | | | .275 | .295 | .80 | .034 | | | .276 | .304 |
| .84 | | | .257 | | | .84 | | | .263 | | |
| .86 | | -.136 | | | | .86 | | -.132 | | | |
| .90 | | | | .339 | .359 | .90 | | | | .347 | .387 |
| .91 | .060 | | | | | .91 | .064 | | | | |
| .95 | .135 | .087 | .385 | .327 | .347 | .95 | .109 | .088 | .388 | .331 | .371 |

RUN = 631 POINT = 9

TABLE 134

CONTINUED

RUN = 631 POINT = 10

| (G) ALPHA = 3.85 DEGREES | | | | | | (H) ALPHA = 4.84 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.067 | .105 | .415 | .713 | .741 | 0.00 | -.109 | .019 | .363 | .681 | .738 |
| .05 | -.350 | -.646 | -.904 | -.782 | -.686 | .05 | -.412 | -.836 | -1.016 | -.866 | -.763 |
| .10 | -.357 | -.557 | -.893 | -.844 | -.736 | .10 | -.438 | -.719 | -1.034 | -.916 | -.809 |
| .20 | -.352 | -.476 | -.756 | -.820 | -.729 | .20 | -.412 | -.531 | -.931 | -.905 | -.811 |
| .30 | -.251 | -.522 | -.686 | -.795 | -.723 | .30 | -.259 | -.564 | -.726 | -.894 | -.797 |
| .40 | -.242 | -.543 | -.588 | -.786 | -.728 | .40 | -.261 | -.585 | -.668 | -.872 | -.799 |
| .50 | -.305 | -.454 | -.564 | -.769 | -.724 | .50 | -.324 | -.502 | -.609 | -.883 | -.802 |
| .60 | -.329 | -.498 | -.490 | -.669 | -.738 | .60 | -.358 | -.553 | -.609 | -.874 | -.815 |
| .67 | | | -.217 | | | .67 | | | -.305 | | |
| .70 | -.367 | -.289 | | -.505 | -.709 | .70 | -.391 | -.367 | | -.795 | -.763 |
| .80 | -.409 | | | -.271 | -.550 | .80 | -.442 | | | -.365 | -.525 |
| .84 | | | -.106 | | | .84 | | | -.158 | | |
| .86 | | .047 | | | | .86 | | -.015 | | | |
| .90 | | | | -.160 | -.210 | .90 | | | | -.157 | -.267 |
| .91 | -.287 | | | | | .91 | -.330 | | | | |
| .95 | -.125 | -.163 | -.210 | -.049 | -.089 | .95 | -.155 | -.197 | -.254 | -.057 | -.185 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .068 | .146 | .064 | -.086 | -.108 | .05 | .088 | .205 | .163 | .012 | -.012 |
| .10 | .021 | .099 | -.062 | -.200 | -.317 | .10 | .045 | .145 | .020 | -.119 | -.179 |
| .20 | -.061 | .148 | -.147 | -.268 | -.280 | .20 | -.017 | .149 | -.085 | -.192 | -.188 |
| .30 | -.085 | -.059 | -.204 | -.295 | -.234 | .30 | -.043 | -.028 | -.154 | -.239 | -.181 |
| .40 | -.080 | -.123 | -.246 | -.375 | -.203 | .40 | -.042 | -.083 | -.199 | -.328 | -.181 |
| .50 | -.043 | -.178 | -.291 | -.126 | -.144 | .50 | -.008 | -.141 | -.259 | -.139 | -.140 |
| .60 | -.039 | -.191 | -.443 | -.130 | -.041 | .60 | -.014 | -.167 | -.416 | -.140 | -.048 |
| .67 | | | -.417 | | | .67 | | | -.396 | | |
| .70 | -.030 | -.193 | | .107 | .150 | .70 | -.006 | -.167 | | .107 | .128 |
| .80 | .048 | | | .283 | .315 | .80 | .067 | | | .285 | .294 |
| .84 | | | .275 | | | .84 | | | .285 | | |
| .86 | | -.137 | | | | .86 | | -.120 | | | |
| .90 | | | | .350 | .398 | .90 | | | | .352 | .368 |
| .91 | .072 | | | | | .91 | .082 | | | | |
| .95 | .098 | .092 | .382 | .338 | .391 | .95 | .095 | .091 | .394 | .347 | .347 |

RUN = 631 POINT = 11

TABLE 134 CONTINUED

RUN = 631 POINT = 12

| (I) ALPHA = 5.93 DEGREES | | | | | | (J) ALPHA = 7.98 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|-------|--------------------------|-------|--------|--------|--------|--------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.149 | -.076 | .286 | .646 | .735 | 0.00 | -.245 | -.243 | .136 | .543 | .687 |
| .05 | -.423 | -1.028 | -1.108 | -.946 | -.834 | .05 | -.689 | -1.177 | -1.247 | -1.096 | -.997 |
| .10 | -.505 | -.964 | -1.136 | -.988 | -.888 | .10 | -.614 | -1.149 | -1.242 | -1.120 | -1.034 |
| .20 | -.442 | -.570 | -1.064 | -.984 | -.890 | .20 | -.484 | -.953 | -1.195 | -1.085 | -1.022 |
| .30 | -.300 | -.604 | -.957 | -.966 | -.874 | .30 | -.378 | -.818 | -1.063 | -1.074 | -.996 |
| .40 | -.281 | -.619 | -.689 | -.944 | -.878 | .40 | -.333 | -.716 | -.889 | -1.061 | -.975 |
| .50 | -.350 | -.544 | -.672 | -.953 | -.881 | .50 | -.407 | -.603 | -.820 | -1.060 | -.975 |
| .60 | -.388 | -.593 | -.657 | -.961 | -.834 | .60 | -.458 | -.637 | -.692 | -1.012 | -.859 |
| .67 | | | -.370 | | | .67 | | | -.554 | | |
| .70 | -.436 | -.489 | | -.948 | -.779 | .70 | -.523 | -.637 | | -.740 | -.520 |
| .80 | -.477 | | | -.557 | -.469 | .80 | -.556 | | | -.532 | -.404 |
| .84 | | | -.195 | | | .84 | | | -.296 | | |
| .86 | | -.063 | | | | .86 | | -.084 | | | |
| .90 | | | | -.284 | -.305 | .90 | | | | -.413 | -.351 |
| .91 | -.373 | | | | | .91 | -.461 | | | | |
| .95 | -.212 | -.261 | -.293 | -.175 | -.253 | .95 | -.340 | -.411 | -.387 | -.357 | -.323 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .104 | .262 | .263 | .107 | .093 | .05 | .126 | .352 | .392 | .256 | .232 |
| .10 | .078 | .202 | .107 | -.034 | -.080 | .10 | .124 | .265 | .236 | .107 | .062 |
| .20 | .018 | .171 | -.016 | -.122 | -.120 | .20 | .087 | .207 | .090 | -.011 | -.021 |
| .30 | -.005 | .025 | -.102 | -.182 | -.132 | .30 | .067 | .107 | -.003 | -.087 | -.068 |
| .40 | -.003 | -.037 | -.160 | -.269 | -.149 | .40 | .059 | .032 | -.078 | -.134 | -.104 |
| .50 | .020 | -.099 | -.222 | -.147 | -.133 | .50 | .080 | -.025 | -.151 | -.131 | -.121 |
| .60 | .016 | -.131 | -.387 | -.128 | -.063 | .60 | .070 | -.068 | -.329 | -.133 | -.082 |
| .67 | | | -.401 | | | .67 | | | -.315 | | |
| .70 | .020 | -.152 | | .104 | .104 | .70 | .065 | -.112 | | .078 | .075 |
| .80 | .087 | | | .279 | .270 | .80 | .113 | | | .254 | .244 |
| .84 | | | .296 | | | .84 | | | .296 | | |
| .86 | | -.114 | | | | .86 | | -.099 | | | |
| .90 | | | | .349 | .336 | .90 | | | | .318 | .309 |
| .91 | .091 | | | | | .91 | .115 | | | | |
| .95 | .098 | .090 | .387 | .334 | .315 | .95 | .260 | .089 | .372 | .287 | .280 |

RUN = 631 POINT = 13

TABLE 134 CONTINUED

RUN = 631 POINT = 14

| (K) ALPHA = 9.99 DEGREES | | | | | | (L) ALPHA = 11.90 DEGREES | | | | | |
|--------------------------|-------|--------|--------|--------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.371 | -.429 | -.029 | .418 | .628 | 0.00 | -.466 | -.607 | -.216 | .283 | .561 |
| .05 | -.806 | -1.161 | -1.262 | -1.223 | -1.141 | .05 | -1.006 | -1.180 | -1.253 | -.940 | -.563 |
| .10 | -.834 | -1.167 | -1.279 | -1.212 | -1.093 | .10 | -.973 | -1.183 | -1.246 | -.935 | -.525 |
| .20 | -.504 | -1.120 | -1.154 | -1.170 | -1.084 | .20 | -.588 | -1.204 | -1.203 | -.839 | -.504 |
| .30 | -.427 | -1.139 | -1.094 | -1.112 | -1.002 | .30 | -.472 | -1.274 | -1.178 | -.750 | -.499 |
| .40 | -.390 | -1.156 | -.945 | -1.018 | -.878 | .40 | -.435 | -1.313 | -1.148 | -.694 | -.492 |
| .50 | -.473 | -.906 | -.849 | -.822 | -.756 | .50 | -.499 | -1.014 | -1.049 | -.643 | -.492 |
| .60 | -.536 | -.877 | -.666 | -.730 | -.593 | .60 | -.527 | -1.294 | -.999 | -.605 | -.463 |
| .67 | | | -.578 | | | .67 | | | -.911 | | |
| .70 | -.610 | -.587 | | -.579 | -.468 | .70 | -.601 | -1.145 | | -.572 | -.458 |
| .80 | -.636 | | | -.518 | -.428 | .80 | -.658 | | | -.553 | -.450 |
| .84 | | | -.315 | | | .84 | | | -.511 | | |
| .86 | | 0.000 | | | | .86 | | -.043 | | | |
| .90 | | | | -.460 | -.399 | .90 | | | | -.542 | -.434 |
| .91 | -.560 | | | | | .91 | -.618 | | | | |
| .95 | -.331 | -.391 | -.458 | -.438 | -.394 | .95 | -.296 | -.091 | -.735 | -.533 | -.419 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .138 | .407 | .501 | .391 | .349 | .05 | .132 | .443 | .563 | .487 | .436 |
| .10 | .166 | .316 | .337 | .228 | .172 | .10 | .191 | .371 | .413 | .323 | .264 |
| .20 | .146 | .241 | .185 | .084 | .064 | .20 | .200 | .279 | .272 | .171 | .135 |
| .30 | .134 | .183 | .084 | .008 | .010 | .30 | .195 | .246 | .157 | .077 | .056 |
| .40 | .116 | .105 | .001 | -.058 | -.058 | .40 | .182 | .167 | .072 | .018 | -.016 |
| .50 | .129 | .039 | -.092 | -.094 | -.087 | .50 | .185 | .087 | -.041 | -.050 | -.061 |
| .60 | .120 | -.025 | -.287 | -.128 | -.079 | .60 | .165 | .025 | -.198 | -.105 | -.061 |
| .67 | | | -.199 | | | .67 | | | -.122 | | |
| .70 | .105 | -.075 | | .059 | .061 | .70 | .148 | -.041 | | .067 | .062 |
| .80 | .153 | | | .241 | .244 | .80 | .176 | | | .241 | .238 |
| .84 | | | .277 | | | .84 | | | .294 | | |
| .86 | | -.077 | | | | .86 | | -.005 | | | |
| .90 | | | | .304 | .302 | .90 | | | | .296 | .289 |
| .91 | .134 | | | | | .91 | .158 | | | | |
| .95 | .218 | .086 | .353 | .272 | .268 | .95 | .198 | .145 | .348 | .258 | .252 |

RUN = 631 POINT = 15

TABLE 134 CONCLUDED

| X/C | (M) ALPHA = .15 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .011 | .284 | .599 | .759 | .667 |
| .05 | -.139 | -.192 | -.221 | -.326 | -.143 |
| .10 | -.176 | -.196 | -.395 | -.273 | -.160 |
| .20 | -.200 | -.242 | -.359 | -.239 | -.188 |
| .30 | -.143 | -.309 | -.391 | -.214 | -.203 |
| .40 | -.154 | -.305 | -.141 | -.187 | -.244 |
| .50 | -.207 | -.717 | -.110 | -.228 | -.234 |
| .60 | -.205 | -.117 | -.076 | -.257 | -.263 |
| .67 | | | -.037 | | |
| .70 | -.189 | .046 | | -.290 | -.299 |
| .80 | -.119 | | | -.344 | -.417 |
| .84 | | | -.006 | | |
| .86 | | .144 | | | |
| .90 | | | | -.205 | -.297 |
| .91 | -.351 | | | | |
| .95 | -.089 | -.140 | -.097 | -.048 | -.068 |
| | CPL | CPL | CPL | CPL | CPL |
| .05 | -.050 | -.216 | -.461 | -.557 | -.654 |
| .10 | -.111 | .113 | -.449 | -.664 | -.798 |
| .20 | -.196 | .219 | -.436 | -.602 | -.774 |
| .30 | -.257 | -.279 | -.456 | -.597 | -.772 |
| .40 | -.220 | -.313 | -.479 | -.629 | -.719 |
| .50 | -.174 | -.387 | -.546 | -.692 | -.668 |
| .60 | -.170 | -.385 | -.615 | -.234 | -.066 |
| .67 | | | -.562 | | |
| .70 | -.157 | -.296 | | -.041 | .112 |
| .80 | -.061 | | | .112 | .221 |
| .84 | | | .140 | | |
| .86 | | -.218 | | | |
| .90 | | | | .209 | .286 |
| .91 | 0.000 | | | | |
| .95 | .122 | .036 | .329 | .230 | .278 |

RUN = 622 POINT = 1

TABLE 135

WING PRESSURE COEFFICIENTS

RUN = 622 POINT = 3

| (A) ALPHA = -.74 DEGREES | | | | | | (B) ALPHA = -.73 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3909 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .028 | .295 | .585 | .707 | .551 | 0.00 | .028 | .288 | .585 | .708 | .554 |
| .05 | -.095 | -.151 | -.191 | -.177 | -.033 | .05 | -.099 | -.135 | -.171 | -.205 | -.034 |
| .10 | -.141 | -.169 | -.314 | -.196 | -.083 | .10 | -.139 | -.167 | -.316 | -.207 | -.073 |
| .20 | -.167 | -.221 | -.233 | -.188 | -.128 | .20 | -.169 | -.218 | -.233 | -.203 | -.121 |
| .30 | -.127 | -.255 | -.251 | -.204 | -.141 | .30 | -.127 | -.258 | -.248 | -.201 | -.137 |
| .40 | -.137 | -.233 | -.207 | -.202 | -.178 | .40 | -.137 | -.233 | -.211 | -.197 | -.171 |
| .50 | -.165 | -.725 | -.211 | -.202 | -.174 | .50 | -.169 | -.413 | -.215 | -.220 | -.163 |
| .60 | -.165 | -.199 | -.241 | -.233 | -.200 | .60 | -.169 | -.201 | -.244 | -.238 | -.197 |
| .67 | | | -.235 | | | .67 | | | -.235 | | |
| .70 | -.165 | -.217 | | -.263 | -.234 | .70 | -.163 | -.223 | | -.255 | -.245 |
| .80 | -.175 | | | -.288 | -.263 | .80 | -.175 | | | -.287 | -.273 |
| .84 | | | -.059 | | | .84 | | | -.064 | | |
| .86 | | -.715 | | | | .86 | | -.628 | | | |
| .90 | | | | -.222 | -.289 | .90 | | | | -.226 | -.282 |
| .91 | -.251 | | | | | .91 | -.175 | | | | |
| .95 | -.125 | -.089 | -.099 | -.104 | -.150 | .95 | -.095 | -.094 | -.102 | -.105 | -.134 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.077 | -.294 | -.617 | -.788 | -.956 | .05 | -.081 | -.296 | -.608 | -.776 | -.971 |
| .10 | -.151 | -.160 | -.517 | -.678 | -.908 | .10 | -.153 | -.242 | -.518 | -.670 | -.873 |
| .20 | -.177 | -.035 | -.417 | -.457 | -.395 | .20 | -.184 | -.140 | -.412 | -.451 | -.394 |
| .30 | -.225 | -.280 | -.353 | -.349 | -.326 | .30 | -.230 | -.280 | -.351 | -.355 | -.323 |
| .40 | -.219 | -.265 | -.294 | -.318 | -.298 | .40 | -.218 | -.270 | -.293 | -.316 | -.303 |
| .50 | -.167 | -.239 | -.247 | -.237 | -.226 | .50 | -.165 | -.233 | -.246 | -.240 | -.228 |
| .60 | -.131 | -.154 | -.169 | -.180 | -.098 | .60 | -.133 | -.153 | -.167 | -.184 | -.100 |
| .67 | | | -.004 | | | .67 | | | -.003 | | |
| .70 | -.065 | .001 | | .048 | .075 | .70 | -.063 | 0.000 | | .047 | .075 |
| .80 | .054 | | | .174 | .176 | .80 | .056 | | | .173 | .175 |
| .84 | | | .265 | | | .84 | | | .264 | | |
| .86 | | .201 | | | | .86 | | .200 | | | |
| .90 | | | | .228 | .216 | .90 | | | | .227 | .220 |
| .91 | .135 | | | | | .91 | .134 | | | | |
| .95 | .036 | .199 | .321 | .239 | .226 | .95 | .096 | .205 | .315 | .246 | .227 |

| (C) ALPHA = .30 DEGREES | | | | | | (D) ALPHA = 1.16 DEGREES | | | | | |
|-------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .021 | .267 | .555 | .742 | .656 | 0.00 | .006 | .215 | .503 | .731 | .703 |
| .05 | -.140 | -.276 | -.361 | -.383 | -.206 | .05 | -.189 | -.381 | -.536 | -.574 | -.380 |
| .10 | -.186 | -.260 | -.440 | -.324 | -.206 | .10 | -.229 | -.349 | -.573 | -.468 | -.338 |
| .20 | -.200 | -.288 | -.325 | -.285 | -.217 | .20 | -.239 | -.363 | -.397 | -.359 | -.302 |
| .30 | -.164 | -.318 | -.312 | -.267 | -.212 | .30 | -.195 | -.381 | -.389 | -.308 | -.286 |
| .40 | -.178 | -.290 | -.258 | -.250 | -.227 | .40 | -.197 | -.338 | -.296 | -.304 | -.278 |
| .50 | -.206 | -.361 | -.250 | -.261 | -.221 | .50 | -.241 | -.358 | -.296 | -.306 | -.282 |
| .60 | -.200 | -.234 | -.278 | -.271 | -.247 | .60 | -.237 | -.259 | -.308 | -.302 | -.286 |
| .67 | | | -.266 | | | .67 | | | -.288 | | |
| .70 | -.194 | -.252 | | -.291 | -.277 | .70 | -.225 | -.275 | | -.316 | -.304 |
| .80 | -.196 | | | -.318 | -.308 | .80 | -.221 | | | -.339 | -.339 |
| .84 | | | -.084 | | | .84 | | | -.087 | | |
| .86 | | -.589 | | | | .86 | | -.561 | | | |
| .90 | | | | -.252 | -.323 | .90 | | | | -.257 | -.352 |
| .91 | -.170 | | | | | .91 | -.183 | | | | |
| .95 | -.090 | -.086 | -.104 | -.121 | -.149 | .95 | -.101 | -.089 | -.114 | -.126 | -.174 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.028 | -.159 | -.386 | -.488 | -.592 | .05 | -.003 | -.069 | -.224 | -.339 | -.356 |
| .10 | -.100 | -.211 | -.361 | -.470 | -.586 | .10 | -.073 | -.154 | -.269 | -.329 | -.397 |
| .20 | -.150 | -.163 | -.314 | -.384 | -.369 | .20 | -.111 | -.162 | -.247 | -.282 | -.313 |
| .30 | -.184 | -.209 | -.295 | -.308 | -.258 | .30 | -.155 | -.164 | -.233 | -.259 | -.237 |
| .40 | -.180 | -.218 | -.244 | -.256 | -.251 | .40 | -.143 | -.176 | -.212 | -.230 | -.210 |
| .50 | -.132 | -.201 | -.213 | -.201 | -.197 | .50 | -.107 | -.176 | -.188 | -.171 | -.167 |
| .60 | -.094 | -.133 | -.150 | -.167 | -.088 | .60 | -.073 | -.107 | -.130 | -.150 | -.070 |
| .67 | | | .005 | | | .67 | | | .018 | | |
| .70 | -.038 | .018 | | .063 | .089 | .70 | -.025 | .023 | | .070 | .107 |
| .80 | .069 | | | .224 | .217 | .80 | .087 | | | .248 | .254 |
| .84 | | | .302 | | | .84 | | | .312 | | |
| .86 | | .226 | | | | .86 | | .229 | | | |
| .90 | | | | .291 | .265 | .90 | | | | .311 | .320 |
| .91 | .149 | | | | | .91 | .159 | | | | |
| .95 | .117 | .222 | .343 | .300 | .274 | .95 | .131 | .221 | .347 | .306 | .309 |

RUN = 622 POINT = 6

TABLE 135 CONTINUED

RUN = 622 POINT = 7

| (E) ALPHA = 2.02 DEGREES | | | | | | (F) ALPHA = 2.90 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|--------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3909 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.015 | .149 | .438 | .695 | .727 | 0.00 | -.042 | .081 | .358 | .660 | .721 |
| .05 | -.233 | -.497 | -.737 | -.845 | -.581 | .05 | -.284 | -.636 | -.980 | -1.068 | -.865 |
| .10 | -.277 | -.449 | -.741 | -.644 | -.466 | .10 | -.328 | -.552 | -.915 | -.949 | -.739 |
| .20 | -.269 | -.427 | -.498 | -.417 | -.378 | .20 | -.310 | -.500 | -.656 | -.393 | -.401 |
| .30 | -.227 | -.447 | -.435 | -.359 | -.336 | .30 | -.256 | -.490 | -.478 | -.389 | -.372 |
| .40 | -.233 | -.391 | -.340 | -.355 | -.321 | .40 | -.268 | -.464 | -.363 | -.383 | -.355 |
| .50 | -.271 | -.372 | -.332 | -.343 | -.319 | .50 | -.310 | -.409 | -.357 | -.371 | -.359 |
| .60 | -.269 | -.287 | -.324 | -.331 | -.330 | .60 | -.308 | -.310 | -.347 | -.355 | -.360 |
| .67 | | | -.308 | | | .67 | | | -.321 | | |
| .70 | -.251 | -.293 | | -.343 | -.334 | .70 | -.274 | -.308 | | -.353 | -.349 |
| .80 | -.235 | | | -.345 | -.369 | .80 | -.248 | | | -.344 | -.364 |
| .84 | | | -.099 | | | .84 | | | -.094 | | |
| .86 | | -.536 | | | | .86 | | -.507 | | | |
| .90 | | | | -.243 | -.351 | .90 | | | | -.228 | -.359 |
| .91 | -.197 | | | | | .91 | -.204 | | | | |
| .95 | -.101 | -.081 | -.109 | -.112 | -.161 | .95 | -.100 | -.070 | -.106 | -.103 | -.151 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .024 | .025 | -.081 | -.149 | -.187 | .05 | .051 | .101 | .033 | -.045 | -.023 |
| .10 | -.031 | -.085 | -.163 | -.226 | -.260 | .10 | -.008 | -.007 | -.068 | -.134 | -.142 |
| .20 | -.087 | -.134 | -.186 | -.214 | -.237 | .20 | -.054 | -.092 | -.127 | -.148 | -.160 |
| .30 | -.117 | -.122 | -.190 | -.210 | -.204 | .30 | -.096 | -.068 | -.127 | -.150 | -.151 |
| .40 | -.123 | -.136 | -.169 | -.188 | -.182 | .40 | -.086 | -.102 | -.127 | -.142 | -.149 |
| .50 | -.075 | -.140 | -.155 | -.147 | -.139 | .50 | -.046 | -.112 | -.125 | -.119 | -.123 |
| .60 | -.053 | -.093 | -.108 | -.139 | -.063 | .60 | -.032 | -.064 | -.091 | -.110 | -.047 |
| .67 | | | .029 | | | .67 | | | .042 | | |
| .70 | -.003 | .039 | | .077 | .111 | .70 | .011 | .052 | | .085 | .115 |
| .80 | .099 | | | .250 | .274 | .80 | .113 | | | .254 | .288 |
| .84 | | | .317 | | | .84 | | | .324 | | |
| .86 | | .248 | | | | .86 | | .252 | | | |
| .90 | | | | .311 | .344 | .90 | | | | .315 | .347 |
| .91 | .171 | | | | | .91 | .180 | | | | |
| .95 | .143 | .229 | .349 | .305 | .330 | .95 | .158 | .224 | .357 | .308 | .334 |

| (G) ALPHA = 3.31 DEGREES | | | | | | (H) ALPHA = 3.93 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.064 | .030 | .303 | .623 | .711 | 0.00 | -.081 | -.019 | .255 | .584 | .695 |
| .05 | -.314 | -.677 | -1.150 | -1.169 | -.994 | .05 | -.350 | -.762 | -1.274 | -1.249 | -1.128 |
| .10 | -.350 | -.610 | -1.011 | -1.073 | -.827 | .10 | -.382 | -.692 | -1.195 | -1.234 | -1.048 |
| .20 | -.328 | -.538 | -.715 | -.620 | -.398 | .20 | -.346 | -.596 | -.771 | -1.059 | -.457 |
| .30 | -.268 | -.533 | -.505 | -.377 | -.387 | .30 | -.298 | -.605 | -.593 | -.323 | -.411 |
| .40 | -.288 | -.503 | -.377 | -.395 | -.381 | .40 | -.298 | -.549 | -.384 | -.365 | -.388 |
| .50 | -.322 | -.440 | -.365 | -.383 | -.385 | .50 | -.350 | -.480 | -.365 | -.373 | -.387 |
| .60 | -.326 | -.323 | -.351 | -.363 | -.385 | .60 | -.348 | -.339 | -.353 | -.362 | -.390 |
| .67 | | | -.327 | | | .67 | | | -.327 | | |
| .70 | -.292 | -.315 | | -.356 | -.363 | .70 | -.320 | -.317 | | -.362 | -.364 |
| .80 | -.256 | | | -.354 | -.363 | .80 | -.280 | | | -.348 | -.364 |
| .84 | | | -.090 | | | .84 | | | -.089 | | |
| .86 | | -.493 | | | | .86 | | -.472 | | | |
| .90 | | | | -.232 | -.363 | .90 | | | | -.233 | -.338 |
| .91 | -.216 | | | | | .91 | -.224 | | | | |
| .95 | -.106 | -.064 | -.102 | -.109 | -.144 | .95 | -.107 | -.065 | -.095 | -.110 | -.140 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .059 | .137 | .084 | .021 | .015 | .05 | .078 | .182 | .149 | .088 | .092 |
| .10 | .013 | .052 | -.025 | -.078 | -.095 | .10 | .028 | .104 | .022 | -.038 | -.035 |
| .20 | -.034 | -.048 | -.093 | -.113 | -.138 | .20 | -.029 | .003 | -.055 | -.077 | -.085 |
| .30 | -.092 | -.052 | -.119 | -.135 | -.131 | .30 | -.027 | -.025 | -.098 | -.094 | -.089 |
| .40 | -.078 | -.078 | -.119 | -.131 | -.127 | .40 | -.053 | -.051 | -.104 | -.098 | -.105 |
| .50 | -.038 | -.099 | -.113 | -.107 | -.101 | .50 | -.017 | -.067 | -.085 | -.083 | -.079 |
| .60 | -.018 | -.058 | -.084 | -.099 | -.038 | .60 | -.007 | -.039 | -.065 | -.089 | -.022 |
| .67 | | | .046 | | | .67 | | | .057 | | |
| .70 | .017 | .059 | | .091 | .119 | .70 | .034 | .063 | | .105 | .121 |
| .80 | .116 | | | .258 | .286 | .80 | .130 | | | .271 | .292 |
| .84 | | | .330 | | | .84 | | | .328 | | |
| .86 | | .259 | | | | .86 | | .257 | | | |
| .90 | | | | .319 | .351 | .90 | | | | .332 | .360 |
| .91 | .188 | | | | | .91 | .194 | | | | |
| .95 | .166 | .228 | .354 | .315 | .336 | .95 | .178 | .227 | .350 | .325 | .336 |

RUN = 622 POINT = 10

TABLE 135 CONTINUED

RUN = 622 POINT = 12

| (I) ALPHA = 4.91 DEGREES | | | | | | (J) ALPHA = 6.00 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.124 | -.134 | .143 | .513 | .665 | 0.00 | -.188 | -.257 | .036 | .430 | .629 |
| .05 | -.426 | -1.012 | -1.458 | -1.358 | -1.271 | .05 | -.504 | -1.244 | -1.598 | -1.441 | -1.375 |
| .10 | -.440 | -.806 | -1.400 | -1.379 | -1.266 | .10 | -.514 | -.976 | -1.547 | -1.480 | -1.390 |
| .20 | -.402 | -.692 | -.973 | -1.232 | -1.132 | .20 | -.434 | -.765 | -1.441 | -1.388 | -1.295 |
| .30 | -.338 | -.686 | -.866 | -.923 | -.618 | .30 | -.367 | -.740 | -.964 | -1.281 | -1.245 |
| .40 | -.340 | -.629 | -.419 | -.353 | -.316 | .40 | -.377 | -.724 | -.592 | -.679 | -.508 |
| .50 | -.398 | -.544 | -.357 | -.320 | -.316 | .50 | -.440 | -.659 | -.377 | -.394 | -.510 |
| .60 | -.402 | -.377 | -.349 | -.330 | -.345 | .60 | -.456 | -.421 | -.342 | -.292 | -.337 |
| .67 | | | -.314 | | | .67 | | | -.300 | | |
| .70 | -.378 | -.326 | | -.338 | -.355 | .70 | -.448 | -.334 | | -.276 | -.298 |
| .80 | -.316 | | | -.326 | -.358 | .80 | -.345 | | | -.282 | -.301 |
| .84 | | | -.084 | | | .84 | | | -.070 | | |
| .86 | | -.456 | | | | .86 | | -.425 | | | |
| .90 | | | | -.232 | -.353 | .90 | | | | -.190 | -.298 |
| .91 | -.246 | | | | | .91 | -.287 | | | | |
| .95 | -.120 | -.064 | -.096 | -.119 | -.156 | .95 | -.140 | -.060 | -.078 | -.099 | -.149 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .091 | .240 | .244 | .169 | .172 | .05 | .104 | .290 | .332 | .263 | .267 |
| .10 | .055 | .155 | .093 | .044 | .067 | .10 | .084 | .252 | .171 | .124 | .107 |
| .20 | .031 | .050 | -.003 | -.029 | -.021 | .20 | .060 | .156 | .061 | .031 | .025 |
| .30 | -.018 | .014 | -.050 | -.054 | -.047 | .30 | .022 | .069 | .012 | -.007 | -.002 |
| .40 | -.016 | -.015 | -.074 | -.062 | -.066 | .40 | .018 | .030 | -.025 | -.021 | -.026 |
| .50 | .011 | -.044 | -.056 | -.058 | -.056 | .50 | .044 | -.003 | -.029 | -.033 | -.018 |
| .60 | .019 | -.015 | -.043 | -.066 | -.001 | .60 | .054 | .012 | -.021 | -.041 | .020 |
| .67 | | | .072 | | | .67 | | | .092 | | |
| .70 | .057 | .081 | | .120 | .133 | .70 | .072 | .099 | | .131 | .144 |
| .80 | .145 | | | .284 | .302 | .80 | .160 | | | .292 | .308 |
| .84 | | | .332 | | | .84 | | | .332 | | |
| .86 | | .269 | | | | .86 | | .278 | | | |
| .90 | | | | .343 | .363 | .90 | | | | .349 | .370 |
| .91 | .201 | | | | | .91 | .217 | | | | |
| .95 | .183 | .222 | .347 | .332 | .337 | .95 | .207 | .225 | .349 | .334 | .347 |

| (K) ALPHA = 7.87 DEGREES | | | | | | (L) ALPHA = 9.73 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.324 | -.481 | -.142 | .309 | .548 | 0.00 | -.477 | -.694 | -.310 | .224 | .513 |
| .05 | -.678 | -1.475 | -1.433 | -.919 | -1.491 | .05 | -.851 | -1.523 | -1.185 | -.762 | -1.002 |
| .10 | -.650 | -1.399 | -1.376 | -.854 | -1.391 | .10 | -.762 | -1.529 | -1.138 | -.757 | -.765 |
| .20 | -.521 | -1.115 | -1.230 | -.794 | -1.051 | .20 | -.589 | -1.455 | -.961 | -.719 | -.597 |
| .30 | -.435 | -.837 | -1.093 | -.725 | -.862 | .30 | -.495 | -1.341 | -.892 | -.678 | -.545 |
| .40 | -.449 | -.699 | -.927 | -.639 | -.560 | .40 | -.525 | -1.034 | -.843 | -.634 | -.502 |
| .50 | -.511 | -.672 | -.794 | -.556 | -.560 | .50 | -.622 | -.825 | -.802 | -.589 | -.491 |
| .60 | -.539 | -.443 | -.715 | -.487 | -.476 | .60 | -.603 | -.461 | -.761 | -.542 | -.465 |
| .67 | | | -.601 | | | .67 | | | -.723 | | |
| .70 | -.471 | -.394 | | -.423 | -.362 | .70 | -.477 | -.495 | | -.509 | -.422 |
| .80 | -.397 | | | -.366 | -.331 | .80 | -.396 | | | -.473 | -.377 |
| .84 | | | -.130 | | | .84 | | | -.249 | | |
| .86 | | -.425 | | | | .86 | | -.426 | | | |
| .90 | | | | -.324 | -.301 | .90 | | | | -.457 | -.377 |
| .91 | -.314 | | | | | .91 | -.330 | | | | |
| .95 | -.169 | -.102 | -.337 | -.295 | -.189 | .95 | -.199 | -.270 | -.556 | -.416 | -.347 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .115 | .353 | .433 | .359 | .328 | .05 | .110 | .392 | .503 | .424 | .381 |
| .10 | .123 | .290 | .276 | .193 | .183 | .10 | .148 | .325 | .343 | .259 | .232 |
| .20 | .093 | .194 | .138 | .085 | .063 | .20 | .144 | .235 | .204 | .127 | .092 |
| .30 | .071 | .125 | .072 | .021 | .017 | .30 | .124 | .183 | .123 | .047 | .025 |
| .40 | .071 | .072 | .030 | -.012 | -.027 | .40 | .110 | .124 | .064 | .001 | -.028 |
| .50 | .085 | .034 | -.004 | -.053 | -.044 | .50 | .126 | .075 | .023 | -.060 | -.060 |
| .60 | .085 | .040 | -.014 | -.088 | -.018 | .60 | .114 | .055 | -.011 | -.110 | -.051 |
| .67 | | | .081 | | | .67 | | | .070 | | |
| .70 | .105 | .111 | | .069 | .108 | .70 | .126 | .111 | | .040 | .056 |
| .80 | .178 | | | .229 | .280 | .80 | .188 | | | .202 | .226 |
| .84 | | | .311 | | | .84 | | | .279 | | |
| .86 | | .269 | | | | .86 | | .268 | | | |
| .90 | | | | .285 | .335 | .90 | | | | .258 | .288 |
| .91 | .226 | | | | | .91 | .227 | | | | |
| .95 | .214 | .210 | .304 | .252 | .298 | .95 | .215 | .189 | .247 | .217 | .235 |

RUN = 622 POINT = 15

TABLE 135 CONCLUDED

RUN = 622 POINT = 16

| (M) ALPHA = 11.56 DEGREES | | | | | | (N) ALPHA = .26 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.538 | -.889 | -.427 | .127 | .485 | 0.00 | .024 | .269 | .557 | .742 | .642 |
| .05 | -1.050 | -1.516 | -.847 | -.684 | -.528 | .05 | -.138 | -.258 | -.333 | -.360 | -.206 |
| .10 | -.873 | -1.524 | -.855 | -.672 | -.504 | .10 | -.190 | -.274 | -.438 | -.320 | -.206 |
| .20 | -.640 | -1.444 | -.857 | -.662 | -.491 | .20 | -.202 | -.282 | -.321 | -.283 | -.210 |
| .30 | -.564 | -1.215 | -.851 | -.647 | -.487 | .30 | -.168 | -.311 | -.331 | -.269 | -.208 |
| .40 | -.576 | -1.048 | -.823 | -.615 | -.469 | .40 | -.170 | -.272 | -.260 | -.244 | -.232 |
| .50 | -.626 | -.906 | -.784 | -.598 | -.465 | .50 | -.206 | -.647 | -.244 | -.250 | -.230 |
| .60 | -.554 | -.839 | -.756 | -.578 | -.448 | .60 | -.208 | -.232 | -.282 | -.269 | -.243 |
| .67 | | | -.719 | | | .67 | | | -.260 | | |
| .70 | -.580 | -.756 | | -.568 | -.428 | .70 | -.196 | -.256 | | -.291 | -.279 |
| .80 | -.540 | | | -.541 | -.428 | .80 | -.198 | | | -.316 | -.295 |
| .84 | | | -.281 | | | .84 | | | -.104 | | |
| .86 | | -.461 | | | | .86 | | -.442 | | | |
| .90 | | | | -.517 | -.428 | .90 | | | | -.252 | -.327 |
| .91 | -.411 | | | | | .91 | -.278 | | | | |
| .95 | -.315 | -.528 | -.601 | -.486 | -.404 | .95 | -.106 | -.092 | -.104 | -.128 | -.167 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .096 | .424 | .567 | .496 | .436 | .05 | -.037 | -.163 | -.424 | -.495 | -.608 |
| .10 | .168 | .371 | .410 | .324 | .289 | .10 | -.114 | .140 | -.412 | -.491 | -.589 |
| .20 | .168 | .280 | .265 | .182 | .131 | .20 | -.166 | .227 | -.336 | -.371 | -.366 |
| .30 | .174 | .233 | .167 | .096 | .059 | .30 | -.186 | -.212 | -.293 | -.307 | -.255 |
| .40 | .172 | .170 | .108 | .033 | -.007 | .40 | -.182 | -.218 | -.248 | -.254 | -.253 |
| .50 | .166 | .107 | .045 | -.038 | -.050 | .50 | -.136 | -.205 | -.215 | -.209 | -.193 |
| .60 | .152 | .085 | -.001 | -.102 | -.056 | .60 | -.104 | -.137 | -.152 | -.169 | -.087 |
| .67 | | | .069 | | | .67 | | | .012 | | |
| .70 | .146 | .130 | | .031 | .047 | .70 | -.049 | .012 | | .058 | .092 |
| .80 | .196 | | | .196 | .221 | .80 | .070 | | | .214 | .213 |
| .84 | | | .263 | | | .84 | | | .300 | | |
| .86 | | .256 | | | | .86 | | .217 | | | |
| .90 | | | | .245 | .269 | .90 | | | | .298 | .272 |
| .91 | .227 | | | | | .91 | .140 | | | | |
| .95 | .217 | .146 | .227 | .198 | .219 | .95 | .186 | .215 | .341 | .300 | .268 |

RUN = 621 POINT = 1

TABLE 136

WING PRESSURE COEFFICIENTS

RUN = 621 POINT = 2

| (A) ALPHA = -.75 DEGREES | | | | | | (B) ALPHA = .26 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .030 | .302 | .608 | .744 | .619 | 0.00 | .017 | .276 | .569 | .747 | .666 |
| .05 | -.098 | -.132 | -.154 | -.204 | -.058 | .05 | -.140 | -.232 | -.285 | -.384 | -.208 |
| .10 | -.143 | -.147 | -.296 | -.215 | -.101 | .10 | -.187 | -.235 | -.418 | -.362 | -.223 |
| .20 | -.160 | -.209 | -.238 | -.226 | -.154 | .20 | -.202 | -.275 | -.393 | -.325 | -.232 |
| .30 | -.119 | -.255 | -.283 | -.226 | -.154 | .30 | -.151 | -.306 | -.350 | -.334 | -.241 |
| .40 | -.132 | -.247 | -.206 | -.224 | -.197 | .40 | -.168 | -.317 | -.257 | -.257 | -.255 |
| .50 | -.166 | -.543 | -.238 | -.257 | -.204 | .50 | -.209 | -.444 | -.298 | -.299 | -.258 |
| .60 | -.179 | -.219 | -.266 | -.255 | -.225 | .60 | -.217 | -.264 | -.333 | -.356 | -.281 |
| .67 | | | -.225 | | | .67 | | | -.255 | | |
| .7 | -.195 | -.255 | | -.288 | -.267 | .70 | -.220 | -.298 | | -.294 | -.309 |
| .80 | -.205 | | | -.328 | -.322 | .80 | -.239 | | | -.378 | -.364 |
| .84 | | | -.056 | | | .84 | | | -.082 | | |
| .86 | | -.365 | | | | .86 | | -.361 | | | |
| .90 | | | | -.229 | -.371 | .90 | | | | -.246 | -.406 |
| .91 | -.245 | | | | | .91 | -.226 | | | | |
| .95 | -.112 | -.075 | -.081 | -.081 | -.138 | .95 | -.132 | -.080 | -.088 | -.098 | -.107 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.072 | -.302 | -.622 | -.727 | -.784 | .05 | -.036 | -.177 | -.424 | -.558 | -.676 |
| .10 | -.145 | -.081 | -.565 | -.827 | -.878 | .10 | -.100 | -.116 | -.404 | -.621 | -.713 |
| .20 | -.183 | .066 | -.499 | -.689 | -.872 | .20 | -.147 | .006 | -.391 | -.476 | -.613 |
| .30 | -.247 | -.300 | -.464 | -.558 | -.777 | .30 | -.205 | -.242 | -.371 | -.419 | -.281 |
| .40 | -.235 | -.325 | -.418 | -.347 | -.235 | .40 | -.202 | -.259 | -.327 | -.308 | -.279 |
| .50 | -.183 | -.329 | -.273 | -.242 | -.192 | .50 | -.141 | -.262 | -.253 | -.224 | -.204 |
| .60 | -.155 | -.192 | -.189 | -.174 | -.075 | .60 | -.123 | -.166 | -.182 | -.175 | -.079 |
| .67 | | | .006 | | | .67 | | | .015 | | |
| .70 | -.096 | 0.000 | | .068 | .099 | .70 | -.066 | .011 | | .076 | .106 |
| .80 | .038 | | | .202 | .233 | .80 | .064 | | | .228 | .219 |
| .84 | | | .290 | | | .84 | | | .314 | | |
| .86 | | .193 | | | | .86 | | .212 | | | |
| .90 | | | | .268 | .282 | .90 | | | | .299 | .262 |
| .91 | .137 | | | | | .91 | .150 | | | .301 | .264 |
| .95 | .146 | .205 | .354 | .276 | .268 | .95 | .143 | .222 | .364 | .301 | .264 |

RUN = 621 POINT = 3

TABLE 136 CONTINUED

RUN = 621 POINT = 4

| (C) ALPHA = 1.19 DEGREES | | | | | | (D) ALPHA = 2.05 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .009 | .241 | .546 | .744 | .716 | 0.00 | -.009 | .196 | .493 | .728 | .736 |
| .05 | -.178 | -.341 | -.445 | -.615 | -.411 | .05 | -.224 | -.431 | -.643 | -.729 | -.639 |
| .10 | -.225 | -.313 | -.562 | -.604 | -.370 | .10 | -.269 | -.402 | -.700 | -.786 | -.662 |
| .20 | -.230 | -.341 | -.464 | -.421 | -.340 | .20 | -.262 | -.408 | -.548 | -.666 | -.559 |
| .30 | -.182 | -.395 | -.534 | -.314 | -.328 | .30 | -.208 | -.439 | -.628 | -.578 | -.293 |
| .40 | -.191 | -.392 | -.335 | -.318 | -.331 | .40 | -.215 | -.456 | -.431 | -.385 | -.279 |
| .50 | -.245 | -.420 | -.316 | -.334 | -.333 | .50 | -.277 | -.435 | -.477 | -.259 | -.298 |
| .60 | -.255 | -.306 | -.327 | -.378 | -.337 | .60 | -.298 | -.414 | -.406 | -.318 | -.337 |
| .67 | | | -.289 | | | .67 | | | -.321 | | |
| .70 | -.275 | -.306 | | -.406 | -.330 | .70 | -.322 | -.416 | | -.345 | -.413 |
| .80 | -.275 | | | -.362 | -.389 | .80 | -.341 | | | -.431 | -.465 |
| .84 | | | -.081 | | | .84 | | | -.074 | | |
| .86 | | -.352 | | | | .86 | | -.361 | | | |
| .90 | | | | -.245 | -.451 | .90 | | | | -.254 | -.410 |
| .91 | -.227 | | | | | .91 | -.256 | | | | |
| .95 | -.120 | -.072 | -.089 | -.085 | -.146 | .95 | -.112 | -.055 | -.077 | -.091 | -.118 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -0.000 | -.070 | -.239 | -.358 | -.404 | .05 | .025 | .011 | -.102 | -.219 | -.198 |
| .10 | -.069 | -.098 | -.274 | -.413 | -.512 | .10 | -.035 | -.049 | -.179 | -.288 | -.309 |
| .20 | -.116 | -.023 | -.296 | -.351 | -.387 | .20 | -.090 | -.030 | -.226 | -.281 | -.286 |
| .30 | -.168 | -.185 | -.283 | -.316 | -.318 | .30 | -.136 | -.134 | -.224 | -.252 | -.246 |
| .40 | -.161 | -.204 | -.259 | -.301 | -.234 | .40 | -.125 | -.162 | -.221 | -.250 | -.213 |
| .50 | -.114 | -.212 | -.214 | -.192 | -.182 | .50 | -.082 | -.170 | -.186 | -.173 | -.161 |
| .60 | -.088 | -.138 | -.153 | -.153 | -.068 | .60 | -.062 | -.111 | -.133 | -.141 | -.057 |
| .67 | | | .022 | | | .67 | | | .034 | | |
| .70 | -.035 | .020 | | .093 | .121 | .70 | -.013 | .035 | | .094 | .124 |
| .80 | .080 | | | .254 | .254 | .80 | .100 | | | .266 | .290 |
| .84 | | | .333 | | | .84 | | | .336 | | |
| .86 | | .226 | | | | .86 | | .241 | | | |
| .90 | | | | .317 | .315 | .90 | | | | .329 | .353 |
| .91 | .166 | | | | | .91 | .179 | | | | |
| .95 | .151 | .224 | .371 | .305 | .313 | .95 | .158 | .230 | .371 | .323 | .337 |

RUN = 621 POINT = 5

TABLE 136 CONTINUED

RUN = 621 POINT = 6

| (E) ALPHA = 2.97 DEGREES | | | | | | (F) ALPHA = 3.50 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.035 | .133 | .438 | .708 | .738 | 0.00 | -.050 | .090 | .392 | .690 | .734 |
| .05 | -.275 | -.529 | -.859 | -.811 | -.755 | .05 | -.300 | -.645 | -.971 | -.900 | -.804 |
| .10 | -.308 | -.535 | -.815 | -.881 | -.781 | .10 | -.347 | -.564 | -.925 | -.942 | -.841 |
| .20 | -.299 | -.466 | -.641 | -.826 | -.753 | .20 | -.321 | -.506 | -.727 | -.911 | -.818 |
| .30 | -.235 | -.504 | -.701 | -.780 | -.738 | .30 | -.242 | -.536 | -.731 | -.856 | -.806 |
| .40 | -.241 | -.516 | -.520 | -.682 | -.672 | .40 | -.255 | -.551 | -.574 | -.812 | -.777 |
| .50 | -.297 | -.467 | -.544 | -.517 | -.663 | .50 | -.334 | -.496 | -.587 | -.656 | -.777 |
| .60 | -.327 | -.472 | -.525 | -.525 | -.388 | .60 | -.347 | -.519 | -.570 | -.575 | -.738 |
| .67 | | | -.470 | | | .67 | | | -.523 | | |
| .70 | -.355 | -.508 | | -.233 | -.286 | .70 | -.381 | -.528 | | -.233 | -.305 |
| .80 | -.413 | | | -.319 | -.350 | .80 | -.431 | | | -.269 | -.242 |
| .84 | | | -.081 | | | .84 | | | -.086 | | |
| .86 | | -.374 | | | | .86 | | -.388 | | | |
| .90 | | | | -.244 | -.420 | .90 | | | | -.207 | -.308 |
| .91 | -.293 | | | | | .91 | -.325 | | | | |
| .95 | -.175 | -.058 | -.083 | -.089 | -.152 | .95 | -.184 | -.071 | -.126 | -.067 | -.154 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .048 | .092 | .006 | -.090 | -.095 | .05 | .063 | .147 | .075 | -.032 | -.026 |
| .10 | -.005 | .013 | -.100 | -.193 | -.189 | .10 | .017 | .068 | -.041 | -.143 | -.107 |
| .20 | -.065 | -.016 | -.153 | -.198 | -.206 | .20 | -.016 | .009 | -.120 | -.160 | -.171 |
| .30 | -.097 | -.079 | -.167 | -.195 | -.194 | .30 | -.074 | -.054 | -.134 | -.162 | -.161 |
| .40 | -.093 | -.120 | -.165 | -.191 | -.170 | .40 | -.067 | -.094 | -.141 | -.162 | -.140 |
| .50 | -.057 | -.135 | -.153 | -.145 | -.126 | .50 | -.027 | -.109 | -.134 | -.120 | -.107 |
| .60 | -.037 | -.086 | -.122 | -.119 | -.036 | .60 | -.016 | -.073 | -.105 | -.104 | -.024 |
| .67 | | | .048 | | | .67 | | | .044 | | |
| .70 | .009 | .045 | | .107 | .142 | .70 | .020 | .053 | | .115 | .154 |
| .80 | .116 | | | .275 | .308 | .80 | .123 | | | .278 | .318 |
| .84 | | | .340 | | | .84 | | | .338 | | |
| .86 | | .253 | | | | .86 | | .255 | | | |
| .90 | | | | .343 | .381 | .90 | | | | .348 | .391 |
| .91 | .187 | | | | | .91 | .192 | | | | |
| .95 | .168 | .232 | .371 | .322 | .362 | .95 | .177 | .226 | .371 | .341 | .380 |

RUN = 621 POINT = 7

TABLE 136

CONTINUED

RUN = 621 POINT = 8

| (G) ALPHA = 4.00 DEGREES | | | | | | (H) ALPHA = 4.99 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.075 | .042 | .363 | .672 | .734 | 0.00 | -.110 | -.043 | .283 | .632 | .716 |
| .05 | -.336 | -.738 | -1.044 | -.938 | -.837 | .05 | -.432 | -.939 | -1.164 | -1.030 | -.923 |
| .10 | -.381 | -.639 | -1.003 | -.976 | -.888 | .10 | -.424 | -.802 | -1.179 | -1.067 | -.979 |
| .20 | -.348 | -.548 | -.814 | -.943 | -.874 | .20 | -.376 | -.596 | -1.045 | -1.043 | -.956 |
| .30 | -.265 | -.570 | -.770 | -.910 | -.856 | .30 | -.297 | -.616 | -.816 | -1.005 | -.949 |
| .40 | -.264 | -.564 | -.619 | -.885 | -.834 | .40 | -.288 | -.638 | -.697 | -.992 | -.920 |
| .50 | -.340 | -.523 | -.617 | -.881 | -.830 | .50 | -.364 | -.568 | -.655 | -.986 | -.914 |
| .60 | -.364 | -.542 | -.606 | -.617 | -.830 | .60 | -.396 | -.595 | -.691 | -.972 | -.916 |
| .67 | | | -.557 | | | .67 | | | -.606 | | |
| .70 | -.406 | -.564 | | -.416 | -.667 | .70 | -.439 | -.610 | | -.741 | -.862 |
| .80 | -.460 | | | -.244 | -.386 | .80 | -.499 | | | -.259 | -.642 |
| .84 | | | -.095 | | | .84 | | | -.117 | | |
| .86 | | -.402 | | | | .86 | | -.423 | | | |
| .90 | | | | -.171 | -.262 | .90 | | | | -.127 | -.498 |
| .91 | -.355 | | | | | .91 | -.400 | | | | |
| .95 | -.155 | -.104 | -.181 | -.049 | -.130 | .95 | -.235 | -.155 | -.226 | -.034 | -.096 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .077 | .170 | .127 | .028 | .028 | .05 | .095 | .226 | .217 | .111 | .099 |
| .10 | .032 | .112 | -0.000 | -.082 | -.096 | .10 | .056 | .160 | .074 | -.020 | -.007 |
| .20 | -.006 | .044 | -.077 | -.126 | -.148 | .20 | .007 | .081 | -.018 | -.071 | -.082 |
| .30 | -.056 | -.029 | -.122 | -.137 | -.125 | .30 | -.016 | .014 | -.076 | -.091 | -.087 |
| .40 | -.045 | -.070 | -.122 | -.140 | -.117 | .40 | -.015 | -.032 | -.096 | -.107 | -.092 |
| .50 | -.017 | -.093 | -.115 | -.106 | -.085 | .50 | .011 | -.064 | -.087 | -.094 | -.066 |
| .60 | -.002 | -.061 | -.098 | -.092 | -.009 | .60 | .022 | -.036 | -.083 | -.082 | .002 |
| .67 | | | .047 | | | .67 | | | .056 | | |
| .70 | .029 | .057 | | .116 | .158 | .70 | .050 | .065 | | .125 | .162 |
| .80 | .130 | | | .286 | .322 | .80 | .145 | | | .292 | .324 |
| .84 | | | .337 | | | .84 | | | .332 | | |
| .86 | | .253 | | | | .86 | | .258 | | | |
| .90 | | | | .346 | .398 | .90 | | | | .354 | .394 |
| .91 | .201 | | | | | .91 | .200 | | | | |
| .95 | .186 | .214 | .364 | .338 | .386 | .95 | .190 | .205 | .352 | .352 | .380 |

| (I) ALPHA = 6.11 DEGREES | | | | | | (J) ALPHA = 8.12 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.164 | -.140 | .193 | .572 | .692 | 0.00 | -.277 | -.329 | .041 | .443 | .625 |
| .05 | -.506 | -1.119 | -1.260 | -1.099 | -1.027 | .05 | -.614 | -1.214 | -1.387 | -1.241 | -1.175 |
| .10 | -.510 | -1.073 | -1.275 | -1.152 | -1.063 | .10 | -.625 | -1.214 | -1.345 | -1.268 | -1.204 |
| .20 | -.430 | -.658 | -1.214 | -1.125 | -1.044 | .20 | -.512 | -1.039 | -1.319 | -1.248 | -1.164 |
| .30 | -.329 | -.666 | -1.042 | -1.097 | -1.028 | .30 | -.381 | -.931 | -1.112 | -1.210 | -1.145 |
| .40 | -.327 | -.678 | -.748 | -1.075 | -1.004 | .40 | -.372 | -.805 | -.965 | -1.161 | -1.068 |
| .50 | -.392 | -.610 | -.710 | -1.068 | -1.001 | .50 | -.458 | -.728 | -.903 | -1.059 | -1.042 |
| .60 | -.426 | -.634 | -.719 | -1.066 | -.994 | .60 | -.506 | -.684 | -.850 | -.695 | -.796 |
| .67 | | | -.670 | | | .67 | | | -.728 | | |
| .70 | -.480 | -.651 | | -.920 | -.843 | .70 | -.577 | -.684 | | -.546 | -.568 |
| .80 | -.536 | | | -.487 | -.576 | .80 | -.614 | | | -.449 | -.420 |
| .84 | | | -.125 | | | .84 | | | -.159 | | |
| .86 | | -.443 | | | | .86 | | -.487 | | | |
| .90 | | | | -.157 | -.470 | .90 | | | | -.383 | -.369 |
| .91 | -.456 | | | | | .91 | -.581 | | | | |
| .95 | -.260 | -.179 | -.198 | -.056 | -.214 | .95 | -.409 | -.193 | -.223 | -.340 | -.313 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .111 | .291 | .304 | .203 | .180 | .05 | .130 | .370 | .429 | .334 | .304 |
| .10 | .089 | .218 | .152 | .070 | .081 | .10 | .135 | .317 | .272 | .191 | .175 |
| .20 | .066 | .125 | .050 | -.007 | -.023 | .20 | .133 | .221 | .143 | .081 | .042 |
| .30 | .018 | .061 | -.018 | -.055 | -.039 | .30 | .091 | .139 | .063 | .016 | -.004 |
| .40 | .020 | .012 | -.062 | -.077 | -.070 | .40 | .081 | .086 | .025 | -.019 | -.054 |
| .50 | .044 | -.030 | -.066 | -.067 | -.061 | .50 | .100 | .035 | -.005 | -.050 | -.071 |
| .60 | .048 | -.008 | -.066 | -.075 | -.001 | .60 | .096 | .035 | -.025 | -.078 | -.047 |
| .67 | | | .068 | | | .67 | | | .083 | | |
| .70 | .072 | .084 | | .126 | .142 | .70 | .113 | .108 | | .092 | .083 |
| .80 | .160 | | | .296 | .299 | .80 | .186 | | | .251 | .256 |
| .84 | | | .329 | | | .84 | | | .329 | | |
| .86 | | .265 | | | | .86 | | .280 | | | |
| .90 | | | | .362 | .356 | .90 | | | | .301 | .309 |
| .91 | .208 | | | | | .91 | .227 | | | | |
| .95 | .193 | .201 | .342 | .353 | .329 | .95 | .214 | .206 | .334 | .278 | .273 |

RUN = 621 POINT = 12

TABLE 136

CONTINUED

RUN = 621 POINT = 13

| (K) ALPHA = 9.89 DEGREES | | | | | | (L) ALPHA = 11.77 DEGREES | | | | | |
|--------------------------|-------|--------|--------|-------|--------|---------------------------|--------|--------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.388 | -.503 | -.120 | .336 | .580 | 0.00 | -.443 | -.681 | -.295 | .238 | .528 |
| .05 | -.871 | -1.281 | -1.140 | -.766 | -1.018 | .05 | -1.005 | -1.268 | -1.102 | -.640 | -.579 |
| .10 | -.746 | -1.285 | -1.112 | -.750 | -.879 | .10 | -.955 | -1.275 | -1.070 | -.637 | -.539 |
| .20 | -.565 | -1.249 | -.989 | -.722 | -.557 | .20 | -.621 | -1.324 | -.955 | -.635 | -.534 |
| .30 | -.457 | -1.259 | -.925 | -.673 | -.547 | .30 | -.495 | -1.390 | -.818 | -.624 | -.535 |
| .40 | -.440 | -1.210 | -.857 | -.644 | -.493 | .40 | -.454 | -1.373 | -.771 | -.624 | -.518 |
| .50 | -.539 | -.925 | -.765 | -.609 | -.485 | .50 | -.538 | -1.102 | -.754 | -.613 | -.518 |
| .60 | -.610 | -.431 | -.723 | -.572 | -.469 | .60 | -.573 | -.839 | -.752 | -.604 | -.490 |
| .67 | | | -.689 | | | .67 | | | -.716 | | |
| .70 | -.673 | -.482 | | -.541 | -.440 | .70 | -.642 | -.733 | | -.598 | -.468 |
| .80 | -.606 | | | -.510 | -.419 | .80 | -.366 | | | -.584 | -.456 |
| .84 | | | -.209 | | | .84 | | | -.214 | | |
| .86 | | -.491 | | | | .86 | | -.515 | | | |
| .90 | | | | -.492 | -.410 | .90 | | | | -.573 | -.458 |
| .91 | -.567 | | | | | .91 | -.450 | | | | |
| .95 | -.371 | -.397 | -.563 | -.466 | -.391 | .95 | -.381 | -.599 | -.622 | -.542 | -.440 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .126 | .409 | .505 | .423 | .364 | .05 | .124 | .438 | .567 | .496 | .433 |
| .10 | .163 | .357 | .351 | .260 | .233 | .10 | .186 | .387 | .420 | .336 | .306 |
| .20 | .156 | .263 | .214 | .130 | .076 | .20 | .195 | .298 | .281 | .194 | .131 |
| .30 | .133 | .202 | .123 | .046 | .010 | .30 | .189 | .246 | .185 | .100 | .054 |
| .40 | .128 | .133 | .065 | -.014 | -.058 | .40 | .191 | .178 | .116 | .030 | -.019 |
| .50 | .141 | .078 | .017 | -.080 | -.091 | .50 | .182 | .118 | .058 | -.043 | -.071 |
| .60 | .128 | .061 | -.024 | -.136 | -.080 | .60 | .175 | .095 | .003 | -.111 | -.068 |
| .67 | | | .068 | | | .67 | | | .080 | | |
| .70 | .135 | .118 | | .033 | .052 | .70 | .165 | .139 | | .040 | .045 |
| .80 | .199 | | | .207 | .228 | .80 | .219 | | | .207 | .223 |
| .84 | | | .292 | | | .84 | | | .294 | | |
| .86 | | .274 | | | | .86 | | .274 | | | |
| .90 | | | | .269 | .285 | .90 | | | | .257 | .274 |
| .91 | .240 | | | | | .91 | .249 | | | | |
| .95 | .219 | .185 | .270 | .226 | .245 | .95 | .230 | .178 | .269 | .223 | .230 |

RUN = 621 POINT = 14

TABLE 136 CONCLUDED

| X/C | (M) ALPHA = .29 DEGREES | | | | |
|------|-------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .016 | .280 | .584 | .751 | .670 |
| .05 | -.141 | -.221 | -.296 | -.392 | -.206 |
| .10 | -.187 | -.237 | -.424 | -.344 | -.226 |
| .20 | -.195 | -.278 | -.375 | -.326 | -.245 |
| .30 | -.152 | -.309 | -.360 | -.317 | -.245 |
| .40 | -.161 | -.328 | -.260 | -.263 | -.250 |
| .50 | -.211 | -.783 | -.296 | -.299 | -.252 |
| .60 | -.222 | -.258 | -.337 | -.346 | -.275 |
| .67 | | | -.260 | | |
| .70 | -.228 | -.302 | | -.299 | -.309 |
| .80 | -.243 | | | -.379 | -.361 |
| .84 | | | -.089 | | |
| .86 | | -.499 | | | |
| .90 | | | | -.246 | -.423 |
| .91 | -.328 | | | | |
| .95 | -.159 | -.076 | -.099 | -.096 | -.120 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.029 | -.180 | -.408 | -.565 | -.664 |
| .10 | -.102 | .144 | -.399 | -.609 | -.728 |
| .20 | -.172 | .242 | -.388 | -.455 | -.595 |
| .30 | -.209 | -.236 | -.361 | -.423 | -.281 |
| .40 | -.200 | -.260 | -.334 | -.308 | -.280 |
| .50 | -.148 | -.251 | -.252 | -.225 | -.209 |
| .60 | -.124 | -.168 | -.176 | -.170 | -.076 |
| .67 | | | .010 | | |
| .70 | -.066 | .007 | | .076 | .109 |
| .80 | .057 | | | .231 | .217 |
| .84 | | | .316 | | |
| .86 | | .210 | | | |
| .90 | | | | .303 | .264 |
| .91 | .152 | | | | |
| .95 | .197 | .218 | .361 | .308 | .265 |

RUN = 620 POINT = 1

TABLE 137

WING PRESSURE COEFFICIENTS

RUN = 620 POINT = 2

| (A) ALPHA = -.77 DEGREES | | | | | | (B) ALPHA = .29 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .030 | .304 | .617 | .744 | .622 | 0.00 | .014 | .283 | .590 | .752 | .672 |
| .05 | -.091 | -.121 | -.139 | -.210 | -.061 | .05 | -.139 | -.224 | -.273 | -.391 | -.231 |
| .10 | -.135 | -.141 | -.283 | -.228 | -.114 | .10 | -.185 | -.222 | -.446 | -.385 | -.236 |
| .20 | -.156 | -.200 | -.259 | -.244 | -.147 | .20 | -.198 | -.255 | -.380 | -.302 | -.246 |
| .30 | -.113 | -.244 | -.306 | -.241 | -.161 | .30 | -.144 | -.331 | -.397 | -.333 | -.246 |
| .40 | -.122 | -.253 | -.201 | -.216 | -.203 | .40 | -.153 | -.335 | -.288 | -.298 | -.277 |
| .50 | -.167 | -.564 | -.255 | -.255 | -.203 | .50 | -.207 | -.466 | -.307 | -.300 | -.274 |
| .60 | -.178 | -.221 | -.300 | -.315 | -.222 | .60 | -.218 | -.281 | -.314 | -.318 | -.301 |
| .67 | | | -.223 | | | .67 | | | -.268 | | |
| .70 | -.178 | -.276 | | -.351 | -.260 | .70 | -.237 | -.318 | | -.411 | -.306 |
| .80 | -.208 | | | -.326 | -.346 | .80 | -.264 | | | -.349 | -.342 |
| .84 | | | -.035 | | | .84 | | | -.040 | | |
| .86 | | -.405 | | | | .86 | | -.395 | | | |
| .90 | | | | -.239 | -.415 | .90 | | | | -.240 | -.413 |
| .91 | -.258 | | | | | .91 | -.242 | | | | |
| .95 | -.134 | -.070 | -.074 | -.087 | -.133 | .95 | -.181 | -.073 | -.073 | -.081 | -.104 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.063 | -.298 | -.611 | -.685 | -.741 | .05 | -.027 | -.165 | -.387 | -.543 | -.646 |
| .10 | -.137 | -.057 | -.564 | -.783 | -.813 | .10 | -.100 | -.103 | -.393 | -.616 | -.720 |
| .20 | -.206 | .120 | -.507 | -.714 | -.880 | .20 | -.174 | .049 | -.389 | -.541 | -.646 |
| .30 | -.250 | -.311 | -.487 | -.642 | -.796 | .30 | -.203 | -.247 | -.394 | -.454 | -.536 |
| .40 | -.230 | -.336 | -.504 | -.625 | -.690 | .40 | -.196 | -.260 | -.369 | -.427 | -.253 |
| .50 | -.187 | -.362 | -.328 | -.216 | -.125 | .50 | -.151 | -.296 | -.273 | -.211 | -.191 |
| .60 | -.167 | -.223 | -.192 | -.161 | -.041 | .60 | -.126 | -.187 | -.181 | -.165 | -.069 |
| .67 | | | .011 | | | .67 | | | .021 | | |
| .70 | -.113 | -.003 | | .084 | .116 | .70 | -.072 | .008 | | .084 | .111 |
| .80 | .030 | | | .235 | .250 | .80 | .053 | | | .243 | .240 |
| .84 | | | .294 | | | .84 | | | .319 | | |
| .86 | | .183 | | | | .86 | | .210 | | | |
| .90 | | | | .308 | .300 | .90 | | | | .309 | .292 |
| .91 | .128 | | | | | .91 | .148 | | | | |
| .95 | .151 | .211 | .359 | .308 | .286 | .95 | .148 | .225 | .372 | .310 | .286 |

RUN = 620 POINT = 3

TABLE 137 CONTINUED

RUN = 620 POINT = 4

| (C) ALPHA = 1.21 DEGREES | | | | | | (D) ALPHA = 2.05 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .012 | .254 | .553 | .747 | .717 | 0.00 | -.007 | .214 | .507 | .745 | .729 |
| .05 | -.178 | -.316 | -.419 | -.578 | -.437 | .05 | -.215 | -.391 | -.595 | -.663 | -.586 |
| .10 | -.217 | -.296 | -.545 | -.581 | -.397 | .10 | -.256 | -.385 | -.661 | -.725 | -.598 |
| .20 | -.224 | -.335 | -.460 | -.480 | -.356 | .20 | -.258 | -.396 | -.523 | -.638 | -.573 |
| .30 | -.172 | -.373 | -.550 | -.436 | -.339 | .30 | -.197 | -.431 | -.595 | -.565 | -.535 |
| .40 | -.181 | -.391 | -.361 | -.327 | -.310 | .40 | -.201 | -.433 | -.435 | -.498 | -.485 |
| .50 | -.241 | -.436 | -.412 | -.385 | -.329 | .50 | -.262 | -.438 | -.470 | -.451 | -.466 |
| .60 | -.257 | -.343 | -.382 | -.349 | -.318 | .60 | -.282 | -.410 | -.438 | -.498 | -.458 |
| .67 | | | -.344 | | | .67 | | | -.412 | | |
| .70 | -.278 | -.387 | | -.365 | -.347 | .70 | -.304 | -.455 | | -.440 | -.269 |
| .80 | -.322 | | | -.385 | -.404 | .80 | -.363 | | | -.272 | -.365 |
| .84 | | | -.034 | | | .84 | | | -.048 | | |
| .86 | | -.393 | | | | .86 | | -.401 | | | |
| .90 | | | | -.266 | -.475 | .90 | | | | -.236 | -.434 |
| .91 | -.257 | | | | | .91 | -.287 | | | | |
| .95 | -.128 | -.059 | -.074 | -.087 | -.111 | .95 | -.156 | -.067 | -.099 | -.082 | -.161 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.006 | -.068 | -.251 | -.380 | -.437 | .05 | .026 | .020 | -.118 | -.247 | -.237 |
| .10 | -.067 | -.085 | -.289 | -.460 | -.523 | .10 | -.036 | -.043 | -.194 | -.321 | -.367 |
| .20 | -.118 | .004 | -.313 | -.393 | -.428 | .20 | -.086 | -.005 | -.232 | -.313 | -.326 |
| .30 | -.170 | -.178 | -.327 | -.355 | -.344 | .30 | -.138 | -.136 | -.247 | -.283 | -.271 |
| .40 | -.161 | -.212 | -.295 | -.345 | -.239 | .40 | -.127 | -.160 | -.230 | -.270 | -.220 |
| .50 | -.117 | -.230 | -.235 | -.201 | -.179 | .50 | -.086 | -.188 | -.202 | -.180 | -.165 |
| .60 | -.094 | -.148 | -.170 | -.154 | -.070 | .60 | -.068 | -.125 | -.151 | -.141 | -.052 |
| .67 | | | .026 | | | .67 | | | .032 | | |
| .70 | -.043 | .017 | | .094 | .119 | .70 | -.021 | .031 | | .101 | .132 |
| .80 | .078 | | | .260 | .256 | .80 | .096 | | | .271 | .286 |
| .84 | | | .335 | | | .84 | | | .337 | | |
| .86 | | .226 | | | | .86 | | .238 | | | |
| .90 | | | | .318 | .315 | .90 | | | | .331 | .355 |
| .91 | .169 | | | | | .91 | .175 | | | | |
| .95 | .156 | .230 | .375 | .311 | .308 | .95 | .164 | .227 | .373 | .326 | .341 |

RUN = 620 POINT = 5

TABLE 137 CONTINUED

RUN = 620 POINT = 6

| (E) ALPHA = 3.06 DEGREES | | | | | | (F) ALPHA = 3.45 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.034 | .159 | .464 | .724 | .748 | 0.00 | -.046 | .102 | .427 | .712 | .735 |
| .05 | -.272 | -.523 | -.821 | -.754 | -.688 | .05 | -.315 | -.609 | -.913 | -.802 | -.731 |
| .10 | -.313 | -.485 | -.775 | -.831 | -.711 | .10 | -.328 | -.539 | -.850 | -.859 | -.771 |
| .20 | -.298 | -.439 | -.640 | -.793 | -.713 | .20 | -.313 | -.477 | -.700 | -.831 | -.759 |
| .30 | -.220 | -.491 | -.663 | -.737 | -.708 | .30 | -.240 | -.508 | -.688 | -.815 | -.743 |
| .40 | -.222 | -.487 | -.504 | -.689 | -.683 | .40 | -.234 | -.523 | -.540 | -.769 | -.733 |
| .50 | -.291 | -.429 | -.531 | -.574 | -.685 | .50 | -.308 | -.473 | -.559 | -.660 | -.738 |
| .60 | -.310 | -.458 | -.512 | -.540 | -.674 | .60 | -.325 | -.500 | -.568 | -.591 | -.724 |
| .67 | | | -.460 | | | .67 | | | -.487 | | |
| .70 | -.344 | -.491 | | -.581 | -.616 | .70 | -.364 | -.509 | | -.602 | -.728 |
| .80 | -.395 | | | -.298 | -.390 | .80 | -.419 | | | -.396 | -.520 |
| .84 | | | -.059 | | | .84 | | | -.072 | | |
| .86 | | .054 | | | | .86 | | -.017 | | | |
| .90 | | | | -.122 | -.276 | .90 | | | | -.116 | -.418 |
| .91 | -.068 | | | | | .91 | -.270 | | | | |
| .95 | -.131 | -.095 | -.156 | -.016 | -.135 | .95 | -.191 | -.123 | -.198 | -.035 | -.138 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .060 | .098 | .013 | -.101 | -.103 | .05 | .066 | .128 | .048 | -.061 | -.054 |
| .10 | .009 | .048 | -.094 | -.196 | -.226 | .10 | .015 | .071 | -.057 | -.171 | -.190 |
| .20 | -.036 | .052 | -.148 | -.214 | -.219 | .20 | -.027 | .047 | -.136 | -.190 | -.206 |
| .30 | -.078 | -.076 | -.177 | -.207 | -.191 | .30 | -.080 | -.065 | -.151 | -.204 | -.183 |
| .40 | -.078 | -.103 | -.177 | -.220 | -.168 | .40 | -.071 | -.099 | -.168 | -.215 | -.179 |
| .50 | -.042 | -.135 | -.164 | -.140 | -.124 | .50 | -.037 | -.135 | -.157 | -.138 | -.122 |
| .60 | -.027 | -.091 | -.123 | -.130 | -.024 | .60 | -.018 | -.085 | -.129 | -.125 | -.028 |
| .67 | | | .044 | | | .67 | | | .035 | | |
| .70 | .014 | .046 | | .107 | .163 | .70 | .009 | .041 | | .105 | .151 |
| .80 | .126 | | | .281 | .330 | .80 | .119 | | | .278 | .322 |
| .84 | | | .349 | | | .84 | | | .335 | | |
| .86 | | .257 | | | | .86 | | .250 | | | |
| .90 | | | | .350 | .404 | .90 | | | | .344 | .398 |
| .91 | .197 | | | | | .91 | .184 | | | | |
| .95 | .208 | .234 | .382 | .336 | .399 | .95 | .186 | .214 | .368 | .322 | .393 |

| (G) ALPHA = 3.98 DEGREES | | | | | | (H) ALPHA = 4.96 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|--------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.064 | .071 | .390 | .687 | .738 | 0.00 | -.099 | -.011 | .336 | .658 | .727 |
| .05 | -.347 | -.693 | -.971 | -.855 | -.764 | .05 | -.411 | -.872 | -1.077 | -.947 | -.833 |
| .10 | -.377 | -.599 | -.950 | -.916 | -.812 | .10 | -.422 | -.768 | -1.111 | -.987 | -.896 |
| .20 | -.334 | -.511 | -.774 | -.874 | -.804 | .20 | -.379 | -.544 | -.975 | -.973 | -.880 |
| .30 | -.251 | -.536 | -.722 | -.859 | -.795 | .30 | -.280 | -.582 | -.769 | -.943 | -.866 |
| .40 | -.249 | -.557 | -.597 | -.835 | -.783 | .40 | -.271 | -.605 | -.663 | -.923 | -.852 |
| .50 | -.319 | -.510 | -.587 | -.817 | -.778 | .50 | -.331 | -.548 | -.627 | -.927 | -.856 |
| .60 | -.345 | -.514 | -.606 | -.646 | -.781 | .60 | -.362 | -.563 | -.656 | -.916 | -.861 |
| .67 | | | -.517 | | | .67 | | | -.556 | | |
| .70 | -.378 | -.540 | | -.621 | -.783 | .70 | -.409 | -.575 | | -.830 | -.830 |
| .80 | -.436 | | | -.514 | -.684 | .80 | -.463 | | | -.513 | -.656 |
| .84 | | | -.077 | | | .84 | | | -.080 | | |
| .86 | | -.075 | | | | .86 | | -.120 | | | |
| .90 | | | | -.108 | -.559 | .90 | | | | -.129 | -.564 |
| .91 | -.360 | | | | | .91 | -.418 | | | | |
| .95 | -.227 | -.160 | -.226 | -.037 | -.132 | .95 | -.284 | -.197 | -.267 | -.055 | -.216 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .079 | .158 | .101 | -.011 | -.014 | .05 | .102 | .224 | .205 | .103 | .075 |
| .10 | .026 | .105 | -.008 | -.115 | -.115 | .10 | .064 | .157 | .074 | -.033 | -.045 |
| .20 | -.017 | .058 | -.095 | -.168 | -.175 | .20 | .003 | .091 | -.027 | -.087 | -.107 |
| .30 | -.064 | -.035 | -.137 | -.178 | -.158 | .30 | -.019 | .013 | -.093 | -.120 | -.114 |
| .40 | -.057 | -.075 | -.143 | -.181 | -.155 | .40 | -.017 | -.031 | -.117 | -.133 | -.121 |
| .50 | -.019 | -.107 | -.137 | -.139 | -.113 | .50 | .010 | -.067 | -.107 | -.115 | -.087 |
| .60 | -.008 | -.068 | -.125 | -.113 | -.030 | .60 | .021 | -.040 | -.104 | -.107 | -.031 |
| .67 | | | .032 | | | .67 | | | .043 | | |
| .70 | .021 | .043 | | .106 | .144 | .70 | .049 | .066 | | .111 | .130 |
| .80 | .124 | | | .267 | .317 | .80 | .141 | | | .274 | .310 |
| .84 | | | .333 | | | .84 | | | .331 | | |
| .86 | | .241 | | | | .86 | | .255 | | | |
| .90 | | | | .340 | .399 | .90 | | | | .341 | .374 |
| .91 | .187 | | | | | .91 | .202 | | | | |
| .95 | .182 | .205 | .360 | .326 | .387 | .95 | .189 | .207 | .353 | .331 | .361 |

RUN = 620 POINT = 9

TABLE 137 CONTINUED

RUN = 620 POINT = 10

| (I) ALPHA = 6.11 DEGREES | | | | | | (J) ALPHA = 8.13 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.158 | -.109 | .236 | .603 | .705 | 0.00 | -.261 | -.288 | .083 | .489 | .660 |
| .05 | -.497 | -1.071 | -1.190 | -1.027 | -.939 | .05 | -.690 | -1.162 | -1.318 | -1.183 | -1.090 |
| .10 | -.480 | -1.019 | -1.220 | -1.069 | -.982 | .10 | -.618 | -1.165 | -1.279 | -1.197 | -1.121 |
| .20 | -.437 | -.617 | -1.139 | -1.049 | -.962 | .20 | -.516 | -1.027 | -1.257 | -1.155 | -1.092 |
| .30 | -.306 | -.630 | -1.038 | -1.032 | -.953 | .30 | -.370 | -.901 | -1.079 | -1.145 | -1.085 |
| .40 | -.300 | -.645 | -.706 | -1.014 | -.943 | .40 | -.346 | -.787 | -.929 | -1.126 | -1.018 |
| .50 | -.369 | -.590 | -.691 | -1.012 | -.941 | .50 | -.429 | -.662 | -.875 | -1.094 | -1.010 |
| .60 | -.400 | -.607 | -.693 | -1.023 | -.936 | .60 | -.477 | -.656 | -.851 | -.885 | -.951 |
| .67 | | | -.626 | | | .67 | | | -.763 | | |
| .70 | -.452 | -.622 | | -.980 | -.862 | .70 | -.551 | -.658 | | -.650 | -.613 |
| .80 | -.506 | | | -.665 | -.669 | .80 | -.581 | | | -.514 | -.443 |
| .84 | | | -.106 | | | .84 | | | -.120 | | |
| .86 | | -.182 | | | | .86 | | -.275 | | | |
| .90 | | | | -.380 | -.509 | .90 | | | | -.423 | -.409 |
| .91 | -.485 | | | | | .91 | -.547 | | | | |
| .95 | -.411 | -.235 | -.253 | -.228 | -.295 | .95 | -.523 | -.247 | -.295 | -.385 | -.342 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .116 | .286 | .288 | .174 | .147 | .05 | .133 | .374 | .418 | .317 | .286 |
| .10 | .088 | .198 | .143 | .042 | .060 | .10 | .138 | .271 | .265 | .171 | .180 |
| .20 | .071 | .116 | .033 | -.038 | -.056 | .20 | .123 | .165 | .131 | .061 | .022 |
| .30 | .019 | .058 | -.035 | -.082 | -.078 | .30 | .084 | .137 | .055 | -.003 | -.023 |
| .40 | .016 | .006 | -.076 | -.105 | -.101 | .40 | .088 | .079 | .006 | -.041 | -.073 |
| .50 | .047 | -.033 | -.093 | -.093 | -.094 | .50 | .105 | .029 | -.018 | -.076 | -.092 |
| .60 | .049 | -.019 | -.087 | -.106 | -.044 | .60 | .097 | .029 | -.045 | -.109 | -.062 |
| .67 | | | .053 | | | .67 | | | .071 | | |
| .70 | .066 | .071 | | .111 | .109 | .70 | .110 | .101 | | .075 | .070 |
| .80 | .151 | | | .283 | .277 | .80 | .181 | | | .242 | .242 |
| .84 | | | .324 | | | .84 | | | .324 | | |
| .86 | | .258 | | | | .86 | | .271 | | | |
| .90 | | | | .346 | .336 | .90 | | | | .298 | .308 |
| .91 | .203 | | | | | .91 | .221 | | | | |
| .95 | .184 | .193 | .339 | .322 | .307 | .95 | .197 | .197 | .323 | .267 | .271 |

RUN = 620 POINT = 11

TABLE 137

CONCLUDED

RUN = 620 POINT = 12

| (K) ALPHA = 11.88 DEGREES | | | | | | (L) ALPHA = .27 DEGREES | | | | | |
|---------------------------|-------|--------|--------|-------|-------|-------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.433 | -.643 | -.266 | .248 | .529 | 0.00 | .022 | .284 | .590 | .754 | .678 |
| .05 | -.965 | -1.215 | -1.221 | -.664 | -.630 | .05 | -.129 | -.220 | -.258 | -.408 | -.222 |
| .10 | -.962 | -1.220 | -1.189 | -.661 | -.601 | .10 | -.179 | -.222 | -.431 | -.373 | -.227 |
| .20 | -.603 | -1.257 | -1.054 | -.648 | -.582 | .20 | -.198 | -.257 | -.364 | -.298 | -.234 |
| .30 | -.481 | -1.329 | -.959 | -.635 | -.567 | .30 | -.142 | -.317 | -.418 | -.330 | -.236 |
| .40 | -.435 | -1.378 | -.856 | -.635 | -.541 | .40 | -.155 | -.329 | -.288 | -.281 | -.271 |
| .50 | -.514 | -.950 | -.795 | -.628 | -.543 | .50 | -.205 | -.683 | -.304 | -.310 | -.271 |
| .60 | -.534 | -1.232 | -.772 | -.622 | -.536 | .60 | -.212 | -.275 | -.304 | -.314 | -.292 |
| .67 | | | -.757 | | | .67 | | | -.275 | | |
| .70 | -.608 | -.744 | | -.612 | -.502 | .70 | -.227 | -.317 | | -.402 | -.295 |
| .80 | -.666 | | | -.592 | -.483 | .80 | -.258 | | | -.341 | -.350 |
| .84 | | | -.171 | | | .84 | | | -.085 | | |
| .86 | | -.322 | | | | .86 | | -.321 | | | |
| .90 | | | | -.575 | -.466 | .90 | | | | -.235 | -.407 |
| .91 | -.566 | | | | | .91 | -.371 | | | | |
| .95 | -.364 | -.585 | -.640 | -.550 | -.454 | .95 | -.131 | -.070 | -.077 | -.076 | -.120 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .130 | .450 | .577 | .510 | .446 | .05 | -.028 | -.161 | -.404 | -.532 | -.631 |
| .10 | .193 | .344 | .428 | .349 | .313 | .10 | -.096 | .124 | -.395 | -.621 | -.696 |
| .20 | .200 | .222 | .286 | .208 | .140 | .20 | -.146 | .188 | -.393 | -.527 | -.675 |
| .30 | .202 | .267 | .192 | .111 | .066 | .30 | -.209 | -.239 | -.406 | -.448 | -.550 |
| .40 | .199 | .198 | .132 | .040 | -.015 | .40 | -.200 | -.260 | -.363 | -.420 | -.254 |
| .50 | .197 | .135 | .071 | -.035 | -.059 | .50 | -.148 | -.286 | -.265 | -.208 | -.190 |
| .60 | .186 | .112 | .015 | -.102 | -.063 | .60 | -.146 | -.189 | -.182 | -.166 | -.067 |
| .67 | | | .098 | | | .67 | | | .023 | | |
| .70 | .182 | .159 | | .047 | .053 | .70 | -.072 | .011 | | .091 | .122 |
| .80 | .234 | | | .212 | .229 | .80 | .046 | | | .245 | .245 |
| .84 | | | .311 | | | .84 | | | .324 | | |
| .86 | | .303 | | | | .86 | | .216 | | | |
| .90 | | | | .263 | .279 | .90 | | | | .308 | .294 |
| .91 | .261 | | | | | .91 | .150 | | | | |
| .95 | .221 | .205 | .288 | .237 | .232 | .95 | .194 | .223 | .374 | .322 | .289 |

RUN = 619 POINT = 3

TABLE 138

WING PRESSURE COEFFICIENTS

RUN = 619 POINT = 4

| (A) ALPHA = -.81 DEGREES | | | | | | (B) ALPHA = .28 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .025 | .310 | .626 | .753 | .640 | 0.00 | .020 | .302 | .613 | .765 | .689 |
| .05 | -.093 | -.097 | -.103 | -.200 | -.067 | .05 | -.130 | -.197 | -.213 | -.396 | -.213 |
| .10 | -.132 | -.119 | -.287 | -.207 | -.113 | .10 | -.174 | -.197 | -.410 | -.390 | -.241 |
| .20 | -.156 | -.176 | -.259 | -.230 | -.158 | .20 | -.193 | -.249 | -.367 | -.336 | -.265 |
| .30 | -.111 | -.247 | -.313 | -.270 | -.180 | .30 | -.135 | -.301 | -.416 | -.318 | -.258 |
| .40 | -.117 | -.253 | -.210 | -.210 | -.218 | .40 | -.141 | -.333 | -.290 | -.294 | -.291 |
| .50 | -.158 | .176 | -.245 | -.269 | -.220 | .50 | -.199 | -.024 | -.339 | -.325 | -.289 |
| .60 | -.169 | -.230 | -.292 | -.256 | -.260 | .60 | -.210 | -.294 | -.309 | -.352 | -.298 |
| .67 | | | -.240 | | | .67 | | | -.277 | | |
| .70 | -.184 | -.285 | | -.365 | -.305 | .70 | -.234 | -.339 | | -.374 | -.346 |
| .80 | -.230 | | | -.444 | -.387 | .80 | -.269 | | | -.483 | -.418 |
| .84 | | | -.009 | | | .84 | | | -.001 | | |
| .86 | | .035 | | | | .86 | | 0.000 | | | |
| .90 | | | | -.212 | -.305 | .90 | | | | -.196 | -.327 |
| .91 | -.123 | | | | | .91 | -.200 | | | | |
| .95 | -.128 | -.063 | -.061 | -.065 | -.065 | .95 | -.122 | -.059 | -.071 | -.051 | -.081 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.067 | -.291 | -.604 | -.651 | -.705 | .05 | -.022 | -.174 | -.409 | -.514 | -.589 |
| .10 | -.132 | .345 | -.538 | -.768 | -.850 | .10 | -.093 | .133 | -.398 | -.601 | -.727 |
| .20 | -.202 | .561 | -.507 | -.717 | -.832 | .20 | -.165 | .423 | -.409 | -.565 | -.720 |
| .30 | -.279 | -.315 | -.495 | -.675 | -.810 | .30 | -.221 | -.226 | -.410 | -.529 | -.666 |
| .40 | -.232 | -.330 | -.509 | -.666 | -.746 | .40 | -.189 | -.266 | -.439 | -.554 | -.537 |
| .50 | -.188 | -.403 | -.564 | -.500 | -.406 | .50 | -.145 | -.303 | -.368 | -.188 | -.124 |
| .60 | -.178 | -.309 | -.198 | -.132 | -.012 | .60 | -.130 | -.219 | -.188 | -.151 | -.031 |
| .67 | | | .008 | | | .67 | | | .025 | | |
| .70 | -.132 | -.024 | | .097 | .113 | .70 | -.085 | .007 | | .099 | .145 |
| .80 | .008 | | | .244 | .213 | .80 | .047 | | | .271 | .288 |
| .84 | | | .290 | | | .84 | | | .328 | | |
| .86 | | .168 | | | | .86 | | .210 | | | |
| .90 | | | | .316 | .280 | .90 | | | | .324 | .345 |
| .91 | .126 | | | | | .91 | .155 | | | | |
| .95 | .551 | .204 | .373 | .314 | .254 | .95 | .402 | .225 | .386 | .317 | .333 |

RUN = 619 POINT = 5

TABLE 138 CONTINUED

RUN = 619 POINT = 6

| (C) ALPHA = 1.22 DEGREES | | | | | | (D) ALPHA = 1.98 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .008 | .263 | .569 | .752 | .718 | 0.00 | -.007 | .230 | .532 | .750 | .731 |
| .05 | -.170 | -.296 | -.395 | -.530 | -.405 | .05 | -.222 | -.359 | -.548 | -.611 | -.523 |
| .10 | -.211 | -.287 | -.518 | -.543 | -.407 | .10 | -.256 | -.350 | -.595 | -.674 | -.542 |
| .20 | -.229 | -.318 | -.444 | -.477 | -.391 | .20 | -.263 | -.364 | -.494 | -.598 | -.544 |
| .30 | -.165 | -.367 | -.522 | -.463 | -.379 | .30 | -.184 | -.416 | -.569 | -.568 | -.518 |
| .40 | -.167 | -.373 | -.365 | -.347 | -.349 | .40 | -.186 | -.410 | -.410 | -.481 | -.489 |
| .50 | -.226 | -.168 | -.403 | -.407 | -.349 | .50 | -.254 | -.258 | -.453 | -.445 | -.486 |
| .60 | -.239 | -.354 | -.386 | -.447 | -.381 | .60 | -.265 | -.397 | -.434 | -.486 | -.482 |
| .67 | | | -.365 | | | .67 | | | -.388 | | |
| .70 | -.257 | -.395 | | -.430 | -.414 | .70 | -.296 | -.421 | | -.521 | -.489 |
| .80 | -.323 | | | -.539 | -.436 | .80 | -.346 | | | -.573 | -.527 |
| .84 | | | -.022 | | | .84 | | | -.031 | | |
| .86 | | -.046 | | | | .86 | | -.079 | | | |
| .90 | | | | -.156 | -.426 | .90 | | | | -.119 | -.405 |
| .91 | -.264 | | | -.044 | -.114 | .91 | -.309 | | | -.030 | -.084 |
| .95 | -.154 | -.076 | -.112 | | | .95 | -.219 | -.112 | -.151 | | |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | 0.000 | -.082 | -.240 | -.389 | -.467 | .05 | .027 | .008 | -.131 | -.266 | -.294 |
| .10 | -.058 | .035 | -.297 | -.494 | -.582 | .10 | -.033 | .022 | -.200 | -.371 | -.438 |
| .20 | -.137 | .290 | -.315 | -.447 | -.540 | .20 | -.106 | .210 | -.250 | -.349 | -.404 |
| .30 | -.174 | -.184 | -.342 | -.412 | -.429 | .30 | -.143 | -.131 | -.272 | -.329 | -.306 |
| .40 | -.161 | -.216 | -.329 | -.398 | -.198 | .40 | -.128 | -.170 | -.263 | -.369 | -.248 |
| .50 | -.115 | -.266 | -.280 | -.197 | -.174 | .50 | -.086 | -.209 | -.234 | -.187 | -.178 |
| .60 | -.096 | -.177 | -.181 | -.150 | -.059 | .60 | -.068 | -.144 | -.180 | -.156 | -.048 |
| .67 | | | .025 | | | .67 | | | .019 | | |
| .70 | -.059 | .007 | | .099 | .129 | .70 | -.033 | .013 | | .098 | .142 |
| .80 | .067 | | | .270 | .268 | .80 | .086 | | | .268 | .289 |
| .84 | | | .334 | | | .84 | | | .336 | | |
| .86 | | .217 | | | | .86 | | .225 | | | |
| .90 | | | | .331 | .329 | .90 | | | | .326 | .357 |
| .91 | .163 | | | | | .91 | .169 | | | | |
| .95 | .307 | .219 | .381 | .326 | .319 | .95 | .259 | .220 | .377 | .321 | .350 |

RUN = 619 POINT = 7

TABLE 138 CONTINUED

RUN = 619 POINT = 8

| (E) ALPHA = 2.91 DEGREES | | | | | | (F) ALPHA = 3.42 DEGREES | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|
| | ETA | ETA | ETA | ETA | ETA | | ETA | ETA | ETA | ETA | ETA |
| | .1902 | .2929 | .3809 | .5556 | .7111 | | .1902 | .2929 | .3809 | .5556 | .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.032 | .172 | .488 | .737 | .739 | 0.00 | -.044 | .126 | .458 | .724 | .744 |
| .05 | -.287 | -.497 | -.748 | -.694 | -.619 | .05 | -.310 | -.550 | -.846 | -.733 | -.654 |
| .10 | -.298 | -.455 | -.707 | -.743 | -.652 | .10 | -.331 | -.502 | -.789 | -.797 | -.692 |
| .20 | -.275 | -.416 | -.584 | -.720 | -.647 | .20 | -.299 | -.441 | -.657 | -.770 | -.692 |
| .30 | -.212 | -.452 | -.634 | -.685 | -.640 | .30 | -.233 | -.488 | -.662 | -.751 | -.692 |
| .40 | -.208 | -.481 | -.476 | -.622 | -.630 | .40 | -.215 | -.514 | -.536 | -.718 | -.690 |
| .50 | -.275 | -.346 | -.502 | -.554 | -.633 | .50 | -.288 | -.406 | -.516 | -.643 | -.680 |
| .60 | -.291 | -.444 | -.507 | -.527 | -.635 | .60 | -.307 | -.454 | -.547 | -.601 | -.685 |
| .67 | | | -.444 | | | .67 | | | -.460 | | |
| .70 | -.321 | -.467 | | -.561 | -.643 | .70 | -.338 | -.480 | | -.581 | -.712 |
| .80 | -.376 | | | -.637 | -.612 | .80 | -.391 | | | -.662 | -.671 |
| .84 | | | -.039 | | | .84 | | | -.040 | | |
| .86 | | -.117 | | | | .86 | | -.150 | | | |
| .90 | | | | -.125 | -.539 | .90 | | | | -.140 | -.458 |
| .91 | -.354 | | | | | .91 | -.386 | | | | |
| .95 | -.251 | -.154 | -.206 | -.071 | -.104 | .95 | -.263 | -.170 | -.233 | -.099 | -.132 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .052 | .094 | -.015 | -.153 | -.175 | .05 | .067 | .133 | .058 | -.086 | -.110 |
| .10 | -.002 | .053 | -.112 | -.247 | -.324 | .10 | .018 | .091 | -.061 | -.192 | -.228 |
| .20 | -.074 | .161 | -.175 | -.269 | -.290 | .20 | -.059 | .141 | -.135 | -.223 | -.262 |
| .30 | -.102 | -.093 | -.204 | -.269 | -.269 | .30 | -.073 | -.059 | -.173 | -.234 | -.239 |
| .40 | -.094 | -.128 | -.222 | -.297 | -.240 | .40 | -.077 | -.107 | -.185 | -.253 | -.224 |
| .50 | -.054 | -.165 | -.200 | -.186 | -.174 | .50 | -.038 | -.146 | -.174 | -.182 | -.161 |
| .60 | -.044 | -.124 | -.173 | -.158 | -.056 | .60 | -.026 | -.105 | -.160 | -.154 | -.061 |
| .67 | | | .027 | | | .67 | | | .031 | | |
| .70 | -.006 | .020 | | .090 | .136 | .70 | .005 | .029 | | .085 | .129 |
| .80 | .098 | | | .255 | .301 | .80 | .111 | | | .258 | .301 |
| .84 | | | .333 | | | .84 | | | .333 | | |
| .86 | | .235 | | | | .86 | | .237 | | | |
| .90 | | | | .323 | .381 | .90 | | | | .318 | .383 |
| .91 | .175 | | | | | .91 | .179 | | | | |
| .95 | .229 | .207 | .369 | .311 | .369 | .95 | .211 | .209 | .363 | .313 | .369 |

RUN = 619 POINT = 9

TABLE 138 CONTINUED

RUN = 619 POINT = 10

| (G) ALPHA = 3.91 DEGREES | | | | | | (H) ALPHA = 4.94 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.058 | .090 | .418 | .708 | .737 | 0.00 | -.102 | .017 | .355 | .682 | .738 |
| .05 | -.339 | -.658 | -.900 | -.785 | -.687 | .05 | -.415 | -.832 | -1.011 | -.874 | -.761 |
| .10 | -.344 | -.550 | -.889 | -.837 | -.741 | .10 | -.430 | -.740 | -1.037 | -.921 | -.821 |
| .20 | -.350 | -.469 | -.718 | -.828 | -.736 | .20 | -.404 | -.524 | -.933 | -.899 | -.814 |
| .30 | -.245 | -.499 | -.692 | -.794 | -.731 | .30 | -.254 | -.549 | -.727 | -.887 | -.812 |
| .40 | -.227 | -.533 | -.570 | -.773 | -.723 | .40 | -.250 | -.573 | -.643 | -.869 | -.802 |
| .50 | -.293 | -.453 | -.536 | -.782 | -.724 | .50 | -.305 | -.499 | -.584 | -.885 | -.802 |
| .60 | -.320 | -.488 | -.574 | -.643 | -.726 | .60 | -.342 | -.532 | -.625 | -.876 | -.810 |
| .67 | | | -.475 | | | .67 | | | -.536 | | |
| .70 | -.352 | -.503 | | -.611 | -.745 | .70 | -.380 | -.549 | | -.820 | -.793 |
| .80 | -.403 | | | -.690 | -.707 | .80 | -.430 | | | -.693 | -.676 |
| .84 | | | -.050 | | | .84 | | | -.061 | | |
| .86 | | -.184 | | | | .86 | | -.219 | | | |
| .90 | | | | -.164 | -.648 | .90 | | | | -.211 | -.511 |
| .91 | -.407 | | | | | .91 | -.435 | | | | |
| .95 | -.342 | -.197 | -.254 | -.125 | -.239 | .95 | -.393 | -.237 | -.308 | -.168 | -.283 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .074 | .170 | .095 | -.033 | -.056 | .05 | .097 | .232 | .200 | .070 | .034 |
| .10 | .035 | .121 | -.019 | -.150 | -.186 | .10 | .061 | .168 | .052 | -.060 | -.075 |
| .20 | -.036 | .136 | -.114 | -.195 | -.223 | .20 | .002 | .145 | -.039 | -.125 | -.157 |
| .30 | -.061 | -.037 | -.154 | -.207 | -.216 | .30 | -.026 | .016 | -.100 | -.161 | -.169 |
| .40 | -.058 | -.084 | -.161 | -.234 | -.196 | .40 | -.019 | -.035 | -.128 | -.187 | -.174 |
| .50 | -.019 | -.124 | -.155 | -.170 | -.148 | .50 | .013 | -.083 | -.127 | -.148 | -.140 |
| .60 | -.008 | -.089 | -.154 | -.153 | -.063 | .60 | .020 | -.059 | -.132 | -.141 | -.070 |
| .67 | | | .030 | | | .67 | | | .034 | | |
| .70 | .017 | .034 | | .087 | .125 | .70 | .039 | .049 | | .082 | .102 |
| .80 | .116 | | | .259 | .298 | .80 | .131 | | | .253 | .276 |
| .84 | | | .326 | | | .84 | | | .326 | | |
| .86 | | .238 | | | | .86 | | .245 | | | |
| .90 | | | | .313 | .370 | .90 | | | | .318 | .344 |
| .91 | .186 | | | | | .91 | .191 | | | | |
| .95 | .202 | .201 | .362 | .303 | .356 | .95 | .200 | .194 | .351 | .303 | .320 |

RUN = 619 POINT = 11

TABLE 138 CONTINUED

RUN = 619 POINT = 12

| (I) ALPHA = 6.06 DEGREES | | | | | | (J) ALPHA = 8.09 DEGREES | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.139 | -.075 | .277 | .631 | .721 | 0.00 | -.243 | -.243 | .123 | .525 | .678 |
| .05 | -.425 | -1.025 | -1.104 | -.956 | -.857 | .05 | -.701 | -1.141 | -1.250 | -1.103 | -1.010 |
| .10 | -.494 | -.971 | -1.128 | -.996 | -.910 | .10 | -.609 | -1.131 | -1.241 | -1.128 | -1.043 |
| .20 | -.432 | -.584 | -1.065 | -.994 | -.891 | .20 | -.474 | -.989 | -1.191 | -1.091 | -1.029 |
| .30 | -.288 | -.591 | -.941 | -.965 | -.888 | .30 | -.367 | -.874 | -1.095 | -1.080 | -1.021 |
| .40 | -.264 | -.603 | -.673 | -.944 | -.880 | .40 | -.323 | -.696 | -.826 | -1.067 | -.990 |
| .50 | -.335 | -.538 | -.660 | -.953 | -.874 | .50 | -.397 | -.611 | -.793 | -1.069 | -.985 |
| .60 | -.372 | -.575 | -.664 | -.960 | -.883 | .60 | -.441 | -.609 | -.769 | -1.060 | -.954 |
| .67 | | | -.609 | | | .67 | | | -.711 | | |
| .70 | -.421 | -.582 | | -.956 | -.859 | .70 | -.518 | -.620 | | -.974 | -.766 |
| .80 | -.465 | | | -.786 | -.694 | .80 | -.545 | | | -.658 | -.555 |
| .84 | | | -.072 | | | .84 | | | -.104 | | |
| .86 | | -.251 | | | | .86 | | -.291 | | | |
| .90 | | | | -.443 | -.575 | .90 | | | | -.505 | -.478 |
| .91 | -.471 | | | | | .91 | -.525 | | | | |
| .95 | -.500 | -.281 | -.331 | -.353 | -.349 | .95 | -.554 | -.289 | -.332 | -.462 | -.381 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .116 | .293 | .290 | .156 | .126 | .05 | .137 | .371 | .418 | .314 | .263 |
| .10 | .094 | .221 | .140 | .027 | .024 | .10 | .137 | .280 | .261 | .159 | .151 |
| .20 | .046 | .177 | .020 | -.056 | -.090 | .20 | .104 | .211 | .135 | .049 | .001 |
| .30 | .012 | .062 | -.049 | -.099 | -.115 | .30 | .090 | .136 | .048 | -.014 | -.043 |
| .40 | .019 | .003 | -.088 | -.140 | -.137 | .40 | .090 | .078 | -.003 | -.064 | -.093 |
| .50 | .050 | -.038 | -.095 | -.124 | -.134 | .50 | .106 | .025 | -.028 | -.095 | -.111 |
| .60 | .046 | -.025 | -.110 | -.129 | -.078 | .60 | .099 | .019 | -.059 | -.127 | -.089 |
| .67 | | | .052 | | | .67 | | | .069 | | |
| .70 | .070 | .070 | | .091 | .087 | .70 | .108 | .095 | | .071 | .068 |
| .80 | .151 | | | .258 | .262 | .80 | .179 | | | .239 | .241 |
| .84 | | | .329 | | | .84 | | | .318 | | |
| .86 | | .256 | | | | .86 | | .265 | | | |
| .90 | | | | .318 | .326 | .90 | | | | .295 | .302 |
| .91 | .206 | | | | | .91 | .222 | | | | |
| .95 | .202 | .188 | .343 | .296 | .301 | .95 | .209 | .191 | .321 | .263 | .269 |

RUN = 619 POINT = 13

TABLE 138 CONTINUED

RUN = 619 POINT = 14

| (K) ALPHA = 10.08 DEGREES | | | | | | (L) ALPHA = 11.97 DEGREES | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 | | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU | X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | -.357 | -.427 | -.044 | .407 | .615 | 0.00 | -.432 | -.600 | -.225 | .279 | .549 |
| .05 | -.802 | -1.144 | -1.303 | -1.221 | -1.139 | .05 | -.984 | -1.167 | -1.192 | -.781 | -.687 |
| .10 | -.813 | -1.147 | -1.287 | -1.219 | -1.144 | .10 | -.957 | -1.163 | -1.186 | -.797 | -.645 |
| .20 | -.493 | -1.131 | -1.185 | -1.214 | -1.124 | .20 | -.583 | -1.200 | -1.168 | -.736 | -.597 |
| .30 | -.417 | -1.148 | -1.063 | -1.167 | -1.110 | .30 | -.461 | -1.271 | -1.103 | -.708 | -.594 |
| .40 | -.377 | -1.115 | -.649 | -1.158 | -1.090 | .40 | -.408 | -1.310 | -1.023 | -.674 | -.570 |
| .50 | -.450 | -.822 | -.547 | -1.142 | -1.080 | .50 | -.475 | -1.016 | -.912 | -.645 | -.572 |
| .60 | -.502 | -.815 | -.586 | -1.122 | -1.054 | .60 | -.507 | -1.288 | -.840 | -.622 | -.558 |
| .67 | | | -.558 | | | .67 | | | -.785 | | |
| .70 | -.586 | -.362 | | -1.047 | -.959 | .70 | -.571 | -1.119 | | -.606 | -.524 |
| .80 | -.619 | | | -.837 | -.706 | .80 | -.622 | | | -.595 | -.502 |
| .84 | | | -.094 | | | .84 | | | -.117 | | |
| .86 | | -.288 | | | | .86 | | -.369 | | | |
| .90 | | | | -.642 | -.599 | .90 | | | | -.591 | -.502 |
| .91 | -.571 | | | | | .91 | -.607 | | | | |
| .95 | -.516 | -.484 | -.480 | -.516 | -.484 | .95 | -.402 | -.395 | -.650 | -.573 | -.480 |
| X/C | CPL | CPL | CPL | CPL | CPL | X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | .145 | .424 | .514 | .425 | .364 | .05 | .140 | .465 | .583 | .516 | .454 |
| .10 | .176 | .345 | .355 | .262 | .247 | .10 | .204 | .389 | .441 | .357 | .319 |
| .20 | .167 | .249 | .219 | .130 | .083 | .20 | .219 | .293 | .300 | .216 | .149 |
| .30 | .152 | .210 | .132 | .055 | .017 | .30 | .209 | .273 | .206 | .123 | .071 |
| .40 | .147 | .149 | .075 | -.012 | -.043 | .40 | .204 | .203 | .143 | .057 | -.002 |
| .50 | .160 | .084 | .021 | -.069 | -.077 | .50 | .211 | .140 | .082 | -.020 | -.055 |
| .60 | .149 | .069 | -.015 | -.119 | -.063 | .60 | .195 | .122 | .036 | -.095 | -.056 |
| .67 | | | .085 | | | .67 | | | .120 | | |
| .70 | .150 | .128 | | .063 | .066 | .70 | .189 | .168 | | .061 | .060 |
| .80 | .209 | | | .239 | .244 | .80 | .242 | | | .229 | .229 |
| .84 | | | .316 | | | .84 | | | .331 | | |
| .86 | | .291 | | | | .86 | | .314 | | | |
| .90 | | | | .298 | .293 | .90 | | | | .282 | .285 |
| .91 | .247 | | | | | .91 | .268 | | | | |
| .95 | .224 | .202 | .303 | .266 | .254 | .95 | .239 | .236 | .306 | .246 | .239 |

RUN = 619 POINT = .15

TABLE 138 CONCLUDED

| | (MI) ALPHA = .29 DEGREES | | | | |
|------|--------------------------|--------------|--------------|--------------|--------------|
| | ETA .1902 | ETA .2929 | ETA .3809 | ETA .5556 | ETA .7111 |
| X/C | CPU | CPU | CPU | CPU | CPU |
| 0.00 | .015 | .292 | .600 | .755 | .680 |
| .05 | -.132 | -.205 | -.247 | -.387 | -.228 |
| .10 | -.179 | -.207 | -.392 | -.385 | -.241 |
| .20 | -.196 | -.261 | -.376 | -.340 | -.269 |
| .30 | -.139 | -.309 | -.439 | -.310 | -.275 |
| .40 | -.148 | -.343 | -.295 | -.304 | -.289 |
| .50 | -.207 | -.734 | -.350 | -.335 | -.277 |
| .60 | -.218 | -.300 | -.320 | -.362 | -.292 |
| .67 | | | -.302 | | |
| .70 | -.240 | -.344 | | -.394 | -.341 |
| .80 | -.280 | | | -.492 | -.385 |
| .84 | | | -.050 | | |
| .86 | | -.372 | | | |
| .90 | | | | -.210 | -.446 |
| .91 | -.438 | | | | |
| .95 | -.207 | -.064 | -.075 | -.066 | -.125 |
| X/C | CPL | CPL | CPL | CPL | CPL |
| .05 | -.033 | -.171 | -.389 | -.533 | -.604 |
| .10 | -.095 | .154 | -.394 | -.616 | -.661 |
| .20 | -.179 | .242 | -.412 | -.578 | -.726 |
| .30 | -.221 | -.234 | -.408 | -.535 | -.671 |
| .40 | -.203 | -.282 | -.437 | -.564 | -.517 |
| .50 | -.150 | -.330 | -.371 | -.196 | -.127 |
| .60 | -.134 | -.228 | -.197 | -.147 | -.039 |
| .67 | | | .019 | | |
| .70 | -.094 | -.002 | | .095 | .131 |
| .80 | .040 | | | .261 | .276 |
| .84 | | | .322 | | |
| .86 | | .202 | | | |
| .90 | | | | .320 | .334 |
| .91 | .142 | | | | |
| .95 | .199 | .216 | .375 | .313 | .318 |