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NORTH CAROLINA STATE UNIVERSITY

TABLES OF $F(U_s, U_B)$ AND $G(U_s, U_B)$ FUNCTIONS FOR
SEMICONDUCTOR SURFACE CALCULATIONS

By

R. J. MATTAUCH, R. W. LADE, G. B. HOADLEY
DEPARTMENT OF ELECTRICAL ENGINEERING

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INTRODUCTION

In the study of semiconductor surfaces one is frequently confronted with the problem of calculating the change in surface conductance due to an applied surface charge. It is desirable to know the above also as a function of surface potential. This paper derives and evaluates certain mathematical functions which are necessary to the above calculations. These functions are given here in tabular form to facilitate their use in actual calculations.

SECTION I

Derivation of F and G functions

One may write Poisson's equation for a positive charge as

$$\frac{\partial^2 \phi}{\partial x^2} = - \frac{\rho}{\epsilon_r \epsilon_0} \quad (1)$$

where ϕ is the difference between electrochemical and electrostatic potentials in the crystal and is positive for n-type material. However

$$\rho = q(p - n + N_D^+ - N_A^-) \quad (2)$$

where the assumption is made that all donors and acceptors are ionized. In the bulk of the material where charge neutrality prevails, it is known that

$$p_0 - n_0 = N_A^+ - N_D^- \quad (3)$$

where

$$n_0 = n_i e^{\frac{q\phi_B}{kT}} \quad (4)$$

and

$$p_0 = n_i e^{\frac{-q\phi_B}{kT}} \quad (5)$$

assuming non-degeneracy.

Thus

$$p_0 - n_0 = N_A^+ - N_D^- = - 2n_i \sinh \frac{q\phi_B}{kT} \quad (6)$$

and

$$p - n = - 2n_i \sinh \frac{q\phi}{kT} \quad (7)$$

Equation (1) then becomes

$$\frac{\partial^2 \phi}{\partial x^2} = - \frac{2n_i q}{\epsilon_r \epsilon_0} \left(\sinh \frac{q\phi_B}{kT} - \sinh \frac{q\phi}{kT} \right) \quad (8)$$

If one lets

$$\frac{q\phi}{kT} = U \text{ and } L_D = \left(\frac{\epsilon_r \epsilon_0 kT}{2q^2 n_i} \right)^{\frac{1}{2}}$$

the above equation becomes

$$\frac{\partial^2 U}{\partial x^2} = \frac{1}{L_D^2} (\sinh U - \sinh U_B) \quad (9)$$

Upon intergrating once between $U = U_B$ and $U = U$ one gets

$$\frac{\partial U}{\partial x} = \pm \frac{\sqrt{2}}{L_D} \left[\sinh U_B (U_B - U) - (\cosh U_B - \cosh U) \right]^{\frac{1}{2}} \quad (10)$$

If one now lets

$$F(U, U_B) = \sqrt{2} \left[\sinh U_B (U_B - U) - (\cosh U_B - \cosh U) \right]^{\frac{1}{2}} \quad (11)$$

the following expression for the \bar{E} field at the surface can be written as

$$E_s = - \left(\frac{\partial \phi}{\partial x} \right) = \left(\frac{kT}{qL_D} \right) F(U_s, U_B) \quad (12)$$

By application of Gauss's law one gets

$$Q_s = \frac{kT}{\epsilon_0 \epsilon_r qL_D} F(U_s, U_B) \text{ coul/cm}^2 \quad (13)$$

Electron and hole excesses can be defined as

$$\bar{n} = \int_0^{\infty} (\bar{n} - n_0) dx \quad (14)$$

$$\bar{p} = \int_0^{\infty} (\bar{p} - p_0) dx \quad (15)$$

and since $dx = \frac{dx}{dU} dU = \frac{L_D}{F(U, U_B)} dU$

$$\Delta n = \bar{n} = n_i L_D \int_{U_S}^{U_B} \frac{e^U - e^{U_B}}{F(U, U_B)} dU = n_i L_D G(-U_S, -U_B) \quad (16)$$

$$\text{and similarly } \Delta p = \bar{p} = n_i L_D G(U_S, U_B) \quad (17)$$

$$\text{Thus it is possible to write } \Delta \sigma = qUp [\Delta p + b \Delta n] \quad (18)$$

$$\Delta \sigma = qUp n_i L_D [G(U_S, U_B) + bG(-U_S, -U_B)] \quad (19)$$

as the change in conductivity as a function of U_B and U_S .

Many papers (1, 2, 7) have contained graphical representations of the above functions. These graphs do not allow the reader to calculate $\Delta \sigma$ vs. Q_S with any great accuracy especially near the important minima in the curves. For this reason tables of the F and G function are presented here.

The G function was integrated by Simpson's rule on an IBM-1620 computer. The delta of integration which the author feels gives a good compromise between accuracy and computation

speed is 0.1 which was used. A few checks on the integration with a delta of 0.1 indicated a maximum discrepancy of less than 4%. The table entries for both F and G functions are in Fortran - E notation in which the first eight digits to the left of the E constitute the mantissa. The digits and sign to the right of the E constitute the exponent of 10 by which the mantissa is multiplied (i.e. $2659.9910E + 02 = 2659.9910 \times 10^{+2} = 265999.10$).

References

1. Robert H. Kingston and Sigfried F. Neustadter, *Journal of Applied Physics*, 26, 718 (1955).
2. Charles E. Young, *Journal of Applied Physics*, 32, 329 (1961).
3. Summer N. Levine, Principles of Solid-State Microelectronics, Holt, Rinehart and Winston, New York, 1963, pp. 61-68.

TABLE 1

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | -25.0 TO | -23.0 |
| UB= | -25.0 | -24.0 | -23.0 |
| US | | | |
| -25.000 | .0000E-99 | 1379.3714E+02 | 2068.1027E+02 |
| -24.000 | -1627.5479E+02 | .0000E-99 | 8366.3110E+01 |
| -23.000 | -2859.1906E+02 | -9871.5768E+01 | .0000E-99 |
| -22.000 | -3841.8058E+02 | -1734.1866E+02 | -5987.4141E+01 |
| -21.000 | -4661.9043E+02 | -2330.1729E+02 | -1051.8374E+02 |
| -20.000 | -5371.2640E+02 | -2827.5880E+02 | -1413.3213E+02 |
| -19.000 | -6001.6912E+02 | -3257.8362E+02 | -1715.0187E+02 |
| -18.000 | -6573.3937E+02 | -3640.2097E+02 | -1975.9775E+02 |
| -17.000 | -7099.7073E+02 | -3986.9648E+02 | -2207.8988E+02 |
| -16.000 | -7589.7831E+02 | -4306.1903E+02 | -2418.2164E+02 |
| -15.000 | -8050.1388E+02 | -4603.4362E+02 | -2611.8363E+02 |
| -14.000 | -8485.5771E+02 | -4882.6560E+02 | -2792.1251E+02 |
| -13.000 | -8899.7434E+02 | -5146.7626E+02 | -2961.4805E+02 |
| -12.000 | -9295.4771E+02 | -5397.9672E+02 | -3121.6694E+02 |
| -11.000 | -9675.0390E+02 | -5637.9919E+02 | -3274.0326E+02 |
| -10.000 | -1004.0262E+03 | -5868.2076E+02 | -3419.6148E+02 |
| -9.000 | -1039.2658E+03 | -6089.7267E+02 | -3559.2479E+02 |
| -8.000 | -1073.3491E+03 | -6303.4659E+02 | -3693.6059E+02 |
| -7.000 | -1106.3830E+03 | -6510.1916E+02 | -3823.2453E+02 |
| -6.000 | -1138.4587E+03 | -6710.5519E+02 | -3948.6309E+02 |
| -5.000 | -1169.6551E+03 | -6905.1010E+02 | -4070.1555E+02 |
| -4.000 | -1200.0408E+03 | -7094.3168E+02 | -4188.1554E+02 |
| -3.000 | -1229.6759E+03 | -7278.6155E+02 | -4302.9207E+02 |
| -2.000 | -1258.6134E+03 | -7458.3614E+02 | -4414.7035E+02 |
| -1.000 | -1286.9004E+03 | -7633.8764E+02 | -4523.7249E+02 |
| .000 | -1314.5789E+03 | -7805.4455E+02 | -4630.1801E+02 |

TABLE 2

| F FUNCTION | | | |
|------------|----------------|--------------------|------------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM -25.0 TO -23.0 |
| UB= | -25.0 | -24.0 | -23.0 |
| US | | | |
| .000 | -1314.5789E+03 | -7805.4455E+02 | -4630.1801E+02 |
| 1.000 | -1341.6864E+03 | -7973.3238E+02 | -4734.2420E+02 |
| 2.000 | -1368.2571E+03 | -8137.7395E+02 | -4836.0654E+02 |
| 3.000 | -1394.3214E+03 | -8298.8985E+02 | -4935.7885E+02 |
| 4.000 | -1419.9074E+03 | -8456.9870E+02 | -5033.5364E+02 |
| 5.000 | -1445.0405E+03 | -8612.1740E+02 | -5129.4219E+02 |
| 6.000 | -1469.7438E+03 | -8764.6137E+02 | -5223.5476E+02 |
| 7.000 | -1494.0388E+03 | -8914.4470E+02 | -5316.0069E+02 |
| 8.000 | -1517.9449E+03 | -9061.8032E+02 | -5406.8855E+02 |
| 9.000 | -1541.4803E+03 | -9206.8013E+02 | -5496.2616E+02 |
| 10.000 | -1564.6618E+03 | -9349.5510E+02 | -5584.2074E+02 |
| 11.000 | -1587.5048E+03 | -9490.1538E+02 | -5670.7898E+02 |
| 12.000 | -1610.0237E+03 | -9628.7041E+02 | -5756.0705E+02 |
| 13.000 | -1632.2321E+03 | -9765.2897E+02 | -5840.1075E+02 |
| 14.000 | -1654.1425E+03 | -9899.9934E+02 | -5922.9564E+02 |
| 15.000 | -1675.7668E+03 | -1003.2895E+03 | -6004.6731E+02 |
| 16.000 | -1697.1166E+03 | -1016.4077E+03 | -6085.3218E+02 |
| 17.000 | -1718.2040E+03 | -1029.3634E+03 | -6164.9939E+02 |
| 18.000 | -1739.0432E+03 | -1042.1706E+03 | -6243.8593E+02 |
| 19.000 | -1759.6559E+03 | -1054.8561E+03 | -6322.3051E+02 |
| 20.000 | -1780.0844E+03 | -1067.4818E+03 | -6401.3039E+02 |
| 21.000 | -1800.4275E+03 | -1080.2037E+03 | -6483.4047E+02 |
| 22.000 | -1820.9366E+03 | -1093.4328E+03 | -6575.3802E+02 |
| 23.000 | -1842.2744E+03 | -1108.2618E+03 | -6695.2293E+02 |
| 24.000 | -1866.2058E+03 | -1127.5982E+03 | -6890.2109E+02 |
| 25.000 | -1897.4311E+03 | -1159.0870E+03 | -7280.1830E+02 |

TABLE 3

| F FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -22.0 TO -20.0 | | | |
| UB= | -22.0 | -21.0 | -20.0 |
| US | | | |
| -25.000 | 2401.3589E+02 | 2557.5539E+02 | 2628.5720E+02 |
| -24.000 | 1254.3677E+02 | 1456.4978E+02 | 1551.2348E+02 |
| -23.000 | 5074.4239E+01 | 7608.1248E+01 | 8834.1058E+01 |
| -22.000 | .0000E-99 | 3077.7936E+01 | 4614.5608E+01 |
| -21.000 | -3631.5502E+01 | .0000E-99 | 1866.7760E+01 |
| -20.000 | -6379.7162E+01 | -2202.6465E+01 | .0000E-99 |
| -19.000 | -8572.2272E+01 | -3869.4935E+01 | -1335.9726E+01 |
| -18.000 | -1040.2114E+02 | -5199.3185E+01 | -2346.9664E+01 |
| -17.000 | -1198.4910E+02 | -6309.2012E+01 | -3153.5462E+01 |
| -16.000 | -1339.1583E+02 | -7269.2151E+01 | -3826.7241E+01 |
| -15.000 | -1466.7224E+02 | -8122.4057E+01 | -4409.0020E+01 |
| -14.000 | -1584.1588E+02 | -8896.1209E+01 | -4926.4882E+01 |
| -13.000 | -1693.5095E+02 | -9608.4093E+01 | -5395.7702E+01 |
| -12.000 | -1796.2287E+02 | -1027.1654E+02 | -5827.7947E+01 |
| -11.000 | -1893.3881E+02 | -1089.4678E+02 | -6230.0734E+01 |
| -10.000 | -1985.8011E+02 | -1148.3980E+02 | -6607.9564E+01 |
| -9.000 | -2074.1012E+02 | -1204.4492E+02 | -6965.3859E+01 |
| -8.000 | -2158.7929E+02 | -1258.0060E+02 | -7305.3543E+01 |
| -7.000 | -2240.2852E+02 | -1309.3741E+02 | -7630.1923E+01 |
| -6.000 | -2318.9155E+02 | -1358.8017E+02 | -7941.7554E+01 |
| -5.000 | -2394.9656E+02 | -1406.4933E+02 | -8241.5490E+01 |
| -4.000 | -2468.6740E+02 | -1452.6201E+02 | -8530.8136E+01 |
| -3.000 | -2540.2446E+02 | -1497.3265E+02 | -8810.5864E+01 |
| -2.000 | -2609.8533E+02 | -1540.7362E+02 | -9081.7445E+01 |
| -1.000 | -2677.6530E+02 | -1582.9560E+02 | -9345.0380E+01 |
| .000 | -2743.7778E+02 | -1624.0786E+02 | -9601.1138E+01 |

TABLE 4

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -22.0 TO | -20.0 |
| UB= | -22.0 | -21.0 | -20.0 |
| US | | | |
| .000 | -2743.7778E+02 | -1624.0786E+02 | -9601.1138E+01 |
| 1.000 | -2808.3461E+02 | -1664.1853E+02 | -9850.5350E+01 |
| 2.000 | -2871.4629E+02 | -1703.3480E+02 | -1009.3794E+02 |
| 3.000 | -2933.2219E+02 | -1741.6303E+02 | -1033.1328E+02 |
| 4.000 | -2993.7070E+02 | -1779.0890E+02 | -1056.3522E+02 |
| 5.000 | -3052.9941E+02 | -1815.7751E+02 | -1079.0720E+02 |
| 6.000 | -3111.1517E+02 | -1851.7345E+02 | -1101.3233E+02 |
| 7.000 | -3168.2417E+02 | -1887.0089E+02 | -1123.1338E+02 |
| 8.000 | -3224.3213E+02 | -1921.6358E+02 | -1144.5288E+02 |
| 9.000 | -3279.4420E+02 | -1955.6498E+02 | -1165.5313E+02 |
| 10.000 | -3333.6514E+02 | -1989.0825E+02 | -1186.1624E+02 |
| 11.000 | -3386.9937E+02 | -2021.9630E+02 | -1206.4417E+02 |
| 12.000 | -3439.5099E+02 | -2054.3189E+02 | -1226.3883E+02 |
| 13.000 | -3491.2387E+02 | -2086.1773E+02 | -1246.0228E+02 |
| 14.000 | -3542.2189E+02 | -2117.5678E+02 | -1265.3716E+02 |
| 15.000 | -3592.4939E+02 | -2148.5301E+02 | -1284.4798E+02 |
| 16.000 | -3642.1239E+02 | -2179.1340E+02 | -1303.4442E+02 |
| 17.000 | -3691.2172E+02 | -2209.5324E+02 | -1322.5014E+02 |
| 18.000 | -3740.0168E+02 | -2240.1039E+02 | -1342.2657E+02 |
| 19.000 | -3789.1290E+02 | -2271.8339E+02 | -1364.3592E+02 |
| 20.000 | -3840.1380E+02 | -2307.3316E+02 | -1393.0760E+02 |
| 21.000 | -3897.2446E+02 | -2353.5135E+02 | -1439.6326E+02 |
| 22.000 | -3971.6011E+02 | -2428.4804E+02 | -1532.2103E+02 |
| 23.000 | -4092.4438E+02 | -2577.8649E+02 | -1735.5616E+02 |
| 24.000 | -4333.7074E+02 | -2907.1810E+02 | -2176.0336E+02 |
| 25.000 | -4867.3491E+02 | -3624.2461E+02 | -3055.3587E+02 |

TABLE 5

| | | F FUNCTION | | |
|---------|----------------|----------------|----------------|-------|
| RANGES | | US FROM | -25.0 TO | .0 |
| | | UB FROM | -19.0 TO | -17.0 |
| UB= | -19.0 | -18.0 | -17.0 | |
| US | | | | |
| -25.000 | 2659.9910E+02 | 2673.5672E+02 | 2679.3190E+02 | |
| -24.000 | 1594.3095E+02 | 1613.3661E+02 | 1621.6005E+02 | |
| -23.000 | 9408.7150E+01 | 9669.9760E+01 | 9785.5601E+01 | |
| -22.000 | 5358.1560E+01 | 5706.6742E+01 | 5865.1369E+01 | |
| -21.000 | 2798.8726E+01 | 3249.8859E+01 | 3461.2728E+01 | |
| -20.000 | 1132.2570E+01 | 1697.6021E+01 | 1971.1554E+01 | |
| -19.000 | .0000E-99 | 6867.4871E-00 | 1029.6477E+01 | |
| -18.000 | -8103.0833E-00 | .0000E-99 | 4165.3406E-00 | |
| -17.000 | -1423.5071E+01 | -4914.7688E-00 | .0000E-99 | |
| -16.000 | -1912.7224E+01 | -8634.0077E-00 | -2980.9578E-00 | |
| -15.000 | -2321.0254E+01 | -1160.1248E+01 | -5236.7900E-00 | |
| -14.000 | -2674.1948E+01 | -1407.7731E+01 | -7036.5126E-00 | |
| -13.000 | -2988.0662E+01 | -1621.9811E+01 | -8538.5755E-00 | |
| -12.000 | -3272.7001E+01 | -1812.3537E+01 | -9837.8137E-00 | |
| -11.000 | -3534.7361E+01 | -1984.9929E+01 | -1099.2481E+01 | |
| -10.000 | -3778.7306E+01 | -2143.9258E+01 | -1203.9590E+01 | |
| -9.000 | -4007.9281E+01 | -2291.9159E+01 | -1300.3567E+01 | |
| -8.000 | -4224.7201E+01 | -2430.9313E+01 | -1390.1172E+01 | |
| -7.000 | -4430.9213E+01 | -2562.4222E+01 | -1474.4344E+01 | |
| -6.000 | -4627.9455E+01 | -2687.4896E+01 | -1554.1876E+01 | |
| -5.000 | -4816.9182E+01 | -2806.9908E+01 | -1630.0449E+01 | |
| -4.000 | -4998.7521E+01 | -2921.6085E+01 | -1702.5260E+01 | |
| -3.000 | -5174.2000E+01 | -3031.8964E+01 | -1772.0451E+01 | |
| -2.000 | -5343.8907E+01 | -3138.3110E+01 | -1838.9381E+01 | |
| -1.000 | -5508.3564E+01 | -3241.2337E+01 | -1903.4818E+01 | |
| .000 | -5668.0520E+01 | -3340.9871E+01 | -1965.9075E+01 | |

TABLE 6

| F FUNCTION | | | |
|---------------------------|----------------|----------------|----------------|
| RANGES US FROM .0 TO 25.0 | | | |
| UB FROM -19.0 TO -17.0 | | | |
| UB= | -19.0 | -18.0 | -17.0 |
| US | | | |
| .000 | -5668.0520E+01 | -3340.9871E+01 | -1965.9075E+01 |
| 1.000 | -5823.3699E+01 | -3437.8474E+01 | -2026.4111E+01 |
| 2.000 | -5974.6514E+01 | -3532.0525E+01 | -2085.1598E+01 |
| 3.000 | -6122.1960E+01 | -3623.8093E+01 | -2142.2981E+01 |
| 4.000 | -6266.2673E+01 | -3713.2996E+01 | -2197.9515E+01 |
| 5.000 | -6407.1000E+01 | -3800.6834E+01 | -2252.2303E+01 |
| 6.000 | -6544.9030E+01 | -3886.1031E+01 | -2305.2318E+01 |
| 7.000 | -6679.8642E+01 | -3969.6856E+01 | -2357.0426E+01 |
| 8.000 | -6812.1529E+01 | -4051.5457E+01 | -2407.7413E+01 |
| 9.000 | -6941.9235E+01 | -4131.7882E+01 | -2457.4009E+01 |
| 10.000 | -7069.3185E+01 | -4210.5120E+01 | -2506.0941E+01 |
| 11.000 | -7194.4746E+01 | -4287.8189E+01 | -2553.9060E+01 |
| 12.000 | -7317.5349E+01 | -4363.8307E+01 | -2600.9641E+01 |
| 13.000 | -7438.6785E+01 | -4438.7402E+01 | -2647.5196E+01 |
| 14.000 | -7558.1983E+01 | -4512.9388E+01 | -2694.1625E+01 |
| 15.000 | -7676.7082E+01 | -4587.3610E+01 | -2742.3941E+01 |
| 16.000 | -7795.6939E+01 | -4664.4025E+01 | -2796.1484E+01 |
| 17.000 | -7918.9869E+01 | -4750.3619E+01 | -2865.7780E+01 |
| 18.000 | -8056.6884E+01 | -4861.8503E+01 | -2978.1342E+01 |
| 19.000 | -8235.4886E+01 | -5042.0642E+01 | -3199.8524E+01 |
| 20.000 | -8524.9590E+01 | -5398.6887E+01 | -3680.6840E+01 |
| 21.000 | -9099.2446E+01 | -6175.6737E+01 | -4703.7740E+01 |
| 22.000 | -1035.5773E+02 | -7839.4207E+01 | -6710.2913E+01 |
| 23.000 | -1306.2379E+02 | -1112.2590E+02 | -1033.7720E+02 |
| 24.000 | -1843.5123E+02 | -1708.2500E+02 | -1656.9647E+02 |
| 25.000 | -2822.7581E+02 | -2734.2753E+02 | -2701.7633E+02 |

TABLE 7

| F FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -16.0 TO -14.0 | | | |
| UB= | -16.0 | -15.0 | -14.0 |
| US | | | |
| -25.000 | 2681.7165E+02 | 2682.7027E+02 | 2683.1039E+02 |
| -24.000 | 1625.0891E+02 | 1626.5433E+02 | 1627.1414E+02 |
| -23.000 | 9835.5043E+01 | 9856.6638E+01 | 9865.4839E+01 |
| -22.000 | 5935.2422E+01 | 5965.5349E+01 | 5978.3688E+01 |
| -21.000 | 3557.3854E+01 | 3599.9063E+01 | 3618.2798E+01 |
| -20.000 | 2099.3681E+01 | 2157.6633E+01 | 2183.4536E+01 |
| -19.000 | 1195.5662E+01 | 1273.3311E+01 | 1308.6889E+01 |
| -18.000 | 6245.1291E-00 | 7251.4757E-00 | 7723.1436E-00 |
| -17.000 | 2526.4071E-00 | 3787.8624E-00 | 4398.2424E-00 |
| -16.000 | .0000E-99 | 1532.3432E-00 | 2297.4546E-00 |
| -15.000 | -1808.0424E-00 | .0000E-99 | 9294.1314E-01 |
| -14.000 | -3176.2737E-00 | -1006.6331E-00 | .0000E-99 |
| -13.000 | -4267.8607E-00 | -1926.5073E-00 | -6651.4156E-01 |
| -12.000 | -5178.9078E-00 | -2588.5883E-00 | -1168.4857E-00 |
| -11.000 | -5966.9353E-00 | -3141.1665E-00 | -1570.0581E-00 |
| -10.000 | -6667.2768E-00 | -3619.1291E-00 | -1905.2137E-00 |
| -9.000 | -7302.3809E-00 | -4043.9077E-00 | -2195.1127E-00 |
| -8.000 | -7887.0625E-00 | -4429.1179E-00 | -2452.7540E-00 |
| -7.000 | -8431.4874E-00 | -4783.7452E-00 | -2686.3958E-00 |
| -6.000 | -8942.8965E-00 | -5113.9557E-00 | -2901.4881E-00 |
| -5.000 | -9426.6247E-00 | -5424.1409E-00 | -3101.7711E-00 |
| -4.000 | -9886.7224E-00 | -5717.5369E-00 | -3289.9079E-00 |
| -3.000 | -1032.6342E+01 | -5996.6000E-00 | -3467.8614E-00 |
| -2.000 | -1074.7997E+01 | -6263.2432E-00 | -3637.1219E-00 |
| -1.000 | -1115.3724E+01 | -6518.9899E-00 | -3798.8491E-00 |
| .000 | -1154.5201E+01 | -6765.0754E-00 | -3953.9673E-00 |

TABLE 8

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -16.0 TO | -14.0 |
| UB= | -16.0 | -15.0 | -14.0 |
| US | | | |
| .000 | -1154.5201E+01 | -6765.0754E-00 | -3953.9673E-00 |
| 1.000 | -1192.3832E+01 | -7002.5184E-00 | -4103.2260E-00 |
| 2.000 | -1229.0805E+01 | -7232.1702E-00 | -4247.2429E-00 |
| 3.000 | -1264.7134E+01 | -7454.7512E-00 | -4386.5349E-00 |
| 4.000 | -1299.3696E+01 | -7670.8779E-00 | -4521.5404E-00 |
| 5.000 | -1333.1255E+01 | -7881.0836E-00 | -4652.6365E-00 |
| 6.000 | -1366.0480E+01 | -8085.8364E-00 | -4780.1554E-00 |
| 7.000 | -1398.1971E+01 | -8285.5574E-00 | -4904.4044E-00 |
| 8.000 | -1429.6276E+01 | -8480.6464E-00 | -5025.7011E-00 |
| 9.000 | -1460.3929E+01 | -8671.5341E-00 | -5144.4531E-00 |
| 10.000 | -1490.5529E+01 | -8858.8060E-00 | -5261.3616E-00 |
| 11.000 | -1520.1932E+01 | -9043.5230E-00 | -5377.9529E-00 |
| 12.000 | -1549.4765E+01 | -9228.0663E-00 | -5497.9871E-00 |
| 13.000 | -1578.7764E+01 | -9418.3800E-00 | -5631.1743E-00 |
| 14.000 | -1609.0364E+01 | -9629.9061E-00 | -5802.8372E-00 |
| 15.000 | -1642.7182E+01 | -9903.0561E-00 | -6077.9879E-00 |
| 16.000 | -1686.2844E+01 | -1034.1983E+01 | -6615.2577E-00 |
| 17.000 | -1756.4466E+01 | -1120.2432E+01 | -7760.9974E-00 |
| 18.000 | -1894.4698E+01 | -1304.8698E+01 | -1014.5969E+01 |
| 19.000 | -2192.2820E+01 | -1692.2171E+01 | -1472.9753E+01 |
| 20.000 | -2821.6645E+01 | -2441.9496E+01 | -2290.9629E+01 |
| 21.000 | -4048.1052E+01 | -3785.8041E+01 | -3687.4167E+01 |
| 22.000 | -6255.9562E+01 | -6084.8972E+01 | -6022.4612E+01 |
| 23.000 | -1004.1152E+02 | -9932.6517E+01 | -9893.4812E+01 |
| 24.000 | -1638.1599E+02 | -1631.3596E+02 | -1628.9143E+02 |
| 25.000 | -2689.9877E+02 | -2685.7473E+02 | -2684.2242E+02 |

TABLE 9

| F FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -13.0 TO -11.0 | | | |
| UB= | -13.0 | -12.0 | -11.0 |
| US | | | |
| -25.000 | 2683.2657E+02 | 2683.3304E+02 | 2683.3561E+02 |
| -24.000 | 1627.3848E+02 | 1627.4829E+02 | 1627.5221E+02 |
| -23.000 | 9869.1118E+01 | 9870.5878E+01 | 9871.1829E+01 |
| -22.000 | 5983.7184E+01 | 5985.9189E+01 | 5986.8141E+01 |
| -21.000 | 3626.0639E+01 | 3629.3088E+01 | 3630.6434E+01 |
| -20.000 | 2194.5976E+01 | 2199.3190E+01 | 2201.2870E+01 |
| -19.000 | 1324.3315E+01 | 1331.0907E+01 | 1333.9544E+01 |
| -18.000 | 7937.5997E-00 | 8032.4770E-00 | 8073.4736E-00 |
| -17.000 | 4684.3235E-00 | 4814.3977E-00 | 4871.9436E-00 |
| -16.000 | 2667.6688E-00 | 2841.1858E-00 | 2920.0797E-00 |
| -15.000 | 1393.4767E-00 | 1618.0229E-00 | 1723.2663E-00 |
| -14.000 | 5637.1766E-01 | 8451.8642E-01 | 9813.8055E-01 |
| -13.000 | .0000E-99 | 3419.1199E-01 | 5126.3141E-01 |
| -12.000 | -4034.2879E-01 | .0000E-99 | 2073.8010E-01 |
| -11.000 | -7087.2246E-01 | -2446.9192E-01 | .0000E-99 |
| -10.000 | -9522.8845E-01 | -4298.6189E-01 | -1484.1315E-01 |
| -9.000 | -1155.5705E-00 | -5775.9212E-01 | -2607.2443E-01 |
| -8.000 | -1331.4032E-00 | -7008.8894E-01 | -3503.2733E-01 |
| -7.000 | -1487.6705E-00 | -8075.3686E-01 | -4251.1064E-01 |
| -6.000 | -1629.3814E-00 | -9023.1777E-01 | -4897.9587E-01 |
| -5.000 | -1759.8415E-00 | -9882.6980E-01 | -5472.8340E-01 |
| -4.000 | -1881.3191E-00 | -1067.3978E-00 | -5994.1594E-01 |
| -3.000 | -1995.4299E-00 | -1141.0777E-00 | -6474.0955E-01 |
| -2.000 | -2103.3643E-00 | -1210.2895E-00 | -6920.9873E-01 |
| -1.000 | -2206.0259E-00 | -1275.7550E-00 | -7340.7789E-01 |
| .000 | -2304.1186E-00 | -1338.0227E-00 | -7737.8511E-01 |

TABLE 10

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | -13.0 TO -11.0 |
| UB= | -13.0 | -12.0 | -11.0 |
| US | | | |
| .000 | -2304.1186E-00 | -1338.0227E-00 | -7737.8511E-01 |
| 1.000 | -2398.2029E-00 | -1397.5194E-00 | -8115.5322E-01 |
| 2.000 | -2488.7336E-00 | -1454.5858E-00 | -8476.4215E-01 |
| 3.000 | -2576.0863E-00 | -1509.4990E-00 | -8822.6071E-01 |
| 4.000 | -2660.5767E-00 | -1562.4904E-00 | -9155.8320E-01 |
| 5.000 | -2742.4762E-00 | -1613.7611E-00 | -9477.6607E-01 |
| 6.000 | -2822.0284E-00 | -1663.5007E-00 | -9789.7379E-01 |
| 7.000 | -2899.4742E-00 | -1711.9237E-00 | -1009.4339E-00 |
| 8.000 | -2975.1048E-00 | -1759.3527E-00 | -1039.5747E-00 |
| 9.000 | -3049.3908E-00 | -1806.4326E-00 | -1070.3792E-00 |
| 10.000 | -3123.3190E-00 | -1854.6905E-00 | -1104.3139E-00 |
| 11.000 | -3199.2783E-00 | -1908.0040E-00 | -1147.7068E-00 |
| 12.000 | -3283.3941E-00 | -1976.3893E-00 | -1216.5466E-00 |
| 13.000 | -3391.5701E-00 | -2085.3125E-00 | -1348.8953E-00 |
| 14.000 | -3564.4569E-00 | -2295.9690E-00 | -1624.6795E-00 |
| 15.000 | -3900.5357E-00 | -2738.7299E-00 | -2183.0874E-00 |
| 16.000 | -4612.3405E-00 | -3644.2406E-00 | -3231.5380E-00 |
| 17.000 | -6081.5246E-00 | -5358.3660E-00 | -5076.5691E-00 |
| 18.000 | -8884.3891E-00 | -8389.2704E-00 | -8205.8786E-00 |
| 19.000 | -1386.3517E+01 | -1354.1231E+01 | -1342.4553E+01 |
| 20.000 | -2234.5523E+01 | -2214.0700E+01 | -2206.7202E+01 |
| 21.000 | -3651.5959E+01 | -3638.7139E+01 | -3634.1048E+01 |
| 22.000 | -5999.9623E+01 | -5991.8976E+01 | -5989.0139E+01 |
| 23.000 | -9879.4168E+01 | -9874.3795E+01 | -9872.5778E+01 |
| 24.000 | -1628.0371E+02 | -1627.7229E+02 | -1627.6104E+02 |
| 25.000 | -2683.6778E+02 | -2683.4820E+02 | -2683.4119E+02 |

TABLE 11

| | | F FUNCTION | | |
|---------|----------------|----------------|----------------|------|
| RANGES | | US FROM | -25.0 TO | .0 |
| | | UB FROM | -10.0 TO | -8.0 |
| UB= | -10.0 | -9.0 | -8.0 | |
| US | | | | |
| -25.000 | 2683.3663E+02 | 2683.3703E+02 | 2683.3718E+02 | |
| -24.000 | 1627.5377E+02 | 1627.5439E+02 | 1627.5464E+02 | |
| -23.000 | 9871.4209E+01 | 9871.5155E+01 | 9871.5529E+01 | |
| -22.000 | 5987.1750E+01 | 5987.3194E+01 | 5987.3768E+01 | |
| -21.000 | 3631.1864E+01 | 3631.4052E+01 | 3631.4929E+01 | |
| -20.000 | 2202.0965E+01 | 2202.4258E+01 | 2202.5586E+01 | |
| -19.000 | 1335.1481E+01 | 1335.6390E+01 | 1335.8388E+01 | |
| -18.000 | 8090.8424E-00 | 8098.0824E-00 | 8101.0604E-00 | |
| -17.000 | 4896.8093E-00 | 4907.3440E-00 | 4911.7354E-00 | |
| -16.000 | 2954.9831E-00 | 2970.0649E-00 | 2976.4546E-00 | |
| -15.000 | 1771.1179E-00 | 1792.2878E-00 | 1801.4354E-00 | |
| -14.000 | 1045.2139E-00 | 1074.2373E-00 | 1087.0775E-00 | |
| -13.000 | 5952.3738E-01 | 6339.5424E-01 | 6515.5787E-01 | |
| -12.000 | 3109.2667E-01 | 3610.2972E-01 | 3845.1269E-01 | |
| -11.000 | 1257.8238E-01 | 1885.8655E-01 | 2189.7559E-01 | |
| -10.000 | .0000E-99 | 7629.0890E-02 | 1143.8353E-01 | |
| -9.000 | -9001.7126E-02 | .0000E-99 | 4627.2756E-02 | |
| -8.000 | -1581.3735E-01 | -5459.8151E-02 | .0000E-99 | |
| -7.000 | -2124.8427E-01 | -9591.5165E-02 | -3311.5457E-02 | |
| -6.000 | -2578.4264E-01 | -1288.7823E-01 | -5817.5494E-02 | |
| -5.000 | -2970.7623E-01 | -1563.8948E-01 | -7816.8629E-02 | |
| -4.000 | -3319.4419E-01 | -1801.8588E-01 | -9485.5100E-02 | |
| -3.000 | -3635.6420E-01 | -2013.3443E-01 | -1092.8845E-01 | |
| -2.000 | -3926.7389E-01 | -2205.1310E-01 | -1221.1597E-01 | |
| -1.000 | -4197.7947E-01 | -2381.6941E-01 | -1337.4913E-01 | |
| .000 | -4452.4173E-01 | -2546.1082E-01 | -1444.6004E-01 | |

TABLE 12

| F FUNCTION | | | |
|------------|----------------|--------------------|-----------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM -10.0 TO -8.0 |
| UB= | -10.0 | -9.0 | -8.0 |
| US | | | |
| .000 | -4452.4173E-01 | -2546.1082E-01 | -1444.6004E-01 |
| 1.000 | -4693.2691E-01 | -2700.5710E-01 | -1544.3687E-01 |
| 2.000 | -4922.3840E-01 | -2846.7237E-01 | -1638.1740E-01 |
| 3.000 | -5141.3785E-01 | -2985.8676E-01 | -1727.1280E-01 |
| 4.000 | -5351.6228E-01 | -3119.1606E-01 | -1812.3231E-01 |
| 5.000 | -5554.4482E-01 | -3247.8994E-01 | -1895.2549E-01 |
| 6.000 | -5751.5252E-01 | -3374.1163E-01 | -1978.7845E-01 |
| 7.000 | -5945.7555E-01 | -3502.0408E-01 | -2069.5420E-01 |
| 8.000 | -6143.5404E-01 | -3641.8443E-01 | -2183.9258E-01 |
| 9.000 | -6360.6561E-01 | -3819.1034E-01 | -2362.1686E-01 |
| 10.000 | -6637.2382E-01 | -4097.3402E-01 | -2696.3446E-01 |
| 11.000 | -7073.9201E-01 | -4624.2051E-01 | -3369.4416E-01 |
| 12.000 | -7907.6581E-01 | -5699.2672E-01 | -4683.9405E-01 |
| 13.000 | -9628.0613E-01 | -7826.7371E-01 | -7085.4255E-01 |
| 14.000 | -1307.3687E-00 | -1175.1051E-00 | -1124.8130E-00 |
| 15.000 | -1948.7566E-00 | -1858.8675E-00 | -1826.0883E-00 |
| 16.000 | -3071.9329E-00 | -3013.4008E-00 | -2992.4358E-00 |
| 17.000 | -4972.6895E-00 | -4935.3348E-00 | -4922.0418E-00 |
| 18.000 | -8139.6980E-00 | -8116.0734E-00 | -8107.6811E-00 |
| 19.000 | -1338.2788E+01 | -1336.7912E+01 | -1336.2626E+01 |
| 20.000 | -2204.0961E+01 | -2203.1615E+01 | -2202.8292E+01 |
| 21.000 | -3632.4599E+01 | -3631.8736E+01 | -3631.6651E+01 |
| 22.000 | -5987.9843E+01 | -5987.6170E+01 | -5987.4863E+01 |
| 23.000 | -9871.9340E+01 | -9871.7042E+01 | -9871.6224E+01 |
| 24.000 | -1627.5702E+02 | -1627.5558E+02 | -1627.5507E+02 |
| 25.000 | -2683.3867E+02 | -2683.3778E+02 | -2683.3746E+02 |

TABLE 13

| F FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -7.0 TO -5.0 | | | |
| UB= | -7.0 | -6.0 | -5.0 |
| US | | | |
| -25.000 | 2683.3724E+02 | 2683.3727E+02 | 2683.3728E+02 |
| -24.000 | 1627.5473E+02 | 1627.5476E+02 | 1627.5478E+02 |
| -23.000 | 9871.5677E+01 | 9871.5734E+01 | 9871.5757E+01 |
| -22.000 | 5987.3996E+01 | 5987.4084E+01 | 5987.4119E+01 |
| -21.000 | 3631.5277E+01 | 3631.5414E+01 | 3631.5469E+01 |
| -20.000 | 2202.6117E+01 | 2202.6328E+01 | 2202.6412E+01 |
| -19.000 | 1335.9193E+01 | 1335.9515E+01 | 1335.9644E+01 |
| -18.000 | 8102.2719E-00 | 8102.7603E-00 | 8102.9557E-00 |
| -17.000 | 4913.5415E-00 | 4914.2764E-00 | 4914.5727E-00 |
| -16.000 | 2979.1180E-00 | 2980.2135E-00 | 2980.6592E-00 |
| -15.000 | 1805.3109E-00 | 1806.9264E-00 | 1807.5909E-00 |
| -14.000 | 1092.6258E-00 | 1094.9764E-00 | 1095.9563E-00 |
| -13.000 | 6593.4586E-01 | 6627.1109E-01 | 6641.3683E-01 |
| -12.000 | 3951.8982E-01 | 3999.1351E-01 | 4019.5464E-01 |
| -11.000 | 2332.1873E-01 | 2396.9476E-01 | 2425.5985E-01 |
| -10.000 | 1328.1542E-01 | 1414.5434E-01 | 1453.8230E-01 |
| -9.000 | 6937.7123E-02 | 8055.6650E-02 | 8579.6494E-02 |
| -8.000 | 2806.5849E-02 | 4207.9384E-02 | 4886.0201E-02 |
| -7.000 | .0000E-99 | 1702.2826E-02 | 2552.2566E-02 |
| -6.000 | -2008.5552E-02 | .0000E-99 | 1032.4966E-02 |
| -5.000 | -3528.5271E-02 | -1218.2567E-02 | .0000E-99 |
| -4.000 | -4741.1804E-02 | -2140.1818E-02 | -7389.3842E-03 |
| -3.000 | -5753.2862E-02 | -2875.7313E-02 | -1298.1844E-02 |
| -2.000 | -6628.7643E-02 | -3489.6969E-02 | -1744.4878E-02 |
| -1.000 | -7406.9195E-02 | -4020.9283E-02 | -2117.2906E-02 |
| .000 | -8112.8244E-02 | -4493.4693E-02 | -2440.5168E-02 |

TABLE 14

| F FUNCTION | | | |
|------------|----------------|--------------------|----------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM -7.0 TO -5.0 |
| UB= | -7.0 | -6.0 | -5.0 |
| US | | | |
| .000 | -8112.8244E-02 | -4493.4693E-02 | -2440.5168E-02 |
| 1.000 | -8763.2815E-02 | -4923.0469E-02 | -2729.6608E-02 |
| 2.000 | -9370.4753E-02 | -5321.1876E-02 | -2996.5805E-02 |
| 3.000 | -9944.7599E-02 | -5698.7200E-02 | -3254.1771E-02 |
| 4.000 | -1049.8065E-01 | -6070.7894E-02 | -3523.9956E-02 |
| 5.000 | -1105.0508E-01 | -6467.3628E-02 | -3852.3555E-02 |
| 6.000 | -1164.6037E-01 | -6957.8127E-02 | -4344.5160E-02 |
| 7.000 | -1239.0662E-01 | -7705.6765E-02 | -5224.0706E-02 |
| 8.000 | -1354.0239E-01 | -9069.4518E-02 | -6900.5956E-02 |
| 9.000 | -1566.9258E-01 | -1172.6485E-01 | -1001.6163E-01 |
| 10.000 | -1989.2858E-01 | -1675.6448E-01 | -1552.5509E-01 |
| 11.000 | -2802.0865E-01 | -2575.4408E-01 | -2491.9916E-01 |
| 12.000 | -4271.9336E-01 | -4118.4103E-01 | -4063.6102E-01 |
| 13.000 | -6806.2427E-01 | -6705.7816E-01 | -6670.3544E-01 |
| 14.000 | -1106.5879E-00 | -1100.1224E-00 | -1097.8504E-00 |
| 15.000 | -1814.3998E-00 | -1810.2723E-00 | -1808.8220E-00 |
| 16.000 | -2985.0019E-00 | -2982.3786E-00 | -2981.4558E-00 |
| 17.000 | -4917.3342E-00 | -4915.6716E-00 | -4915.0858E-00 |
| 18.000 | -8104.7077E-00 | -8103.6564E-00 | -8103.2853E-00 |
| 19.000 | -1336.0752E+01 | -1336.0089E+01 | -1335.9854E+01 |
| 20.000 | -2202.7113E+01 | -2202.6694E+01 | -2202.6546E+01 |
| 21.000 | -3631.5911E+01 | -3631.5645E+01 | -3631.5553E+01 |
| 22.000 | -5987.4398E+01 | -5987.4231E+01 | -5987.4173E+01 |
| 23.000 | -9871.5931E+01 | -9871.5827E+01 | -9871.5791E+01 |
| 24.000 | -1627.5488E+02 | -1627.5482E+02 | -1627.5480E+02 |
| 25.000 | -2683.3734E+02 | -2683.3730E+02 | -2683.3729E+02 |

TABLE 15

| F FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -4.0 TO -2.0 | | | |
| UB= | -4.0 | -3.0 | -2.0 |
| US | | | |
| -25.000 | 2683.3728E+02 | 2683.3728E+02 | 2683.3728E+02 |
| -24.000 | 1627.5478E+02 | 1627.5479E+02 | 1627.5479E+02 |
| -23.000 | 9871.5765E+01 | 9871.5768E+01 | 9871.5770E+01 |
| -22.000 | 5987.4133E+01 | 5987.4138E+01 | 5987.4140E+01 |
| -21.000 | 3631.5489E+01 | 3631.5498E+01 | 3631.5500E+01 |
| -20.000 | 2202.6445E+01 | 2202.6457E+01 | 2202.6462E+01 |
| -19.000 | 1335.9694E+01 | 1335.9714E+01 | 1335.9722E+01 |
| -18.000 | 8103.0334E-00 | 8103.0641E-00 | 8103.0763E-00 |
| -17.000 | 4914.6912E-00 | 4914.7383E-00 | 4914.7571E-00 |
| -16.000 | 2980.8390E-00 | 2980.9109E-00 | 2980.9397E-00 |
| -15.000 | 1807.8613E-00 | 1807.9704E-00 | 1808.0143E-00 |
| -14.000 | 1096.3594E-00 | 1096.5235E-00 | 1096.5901E-00 |
| -13.000 | 6647.3120E-01 | 6649.7587E-01 | 6650.7600E-01 |
| -12.000 | 4028.1951E-01 | 4031.8029E-01 | 4033.2957E-01 |
| -11.000 | 2437.9800E-01 | 2443.2298E-01 | 2445.4311E-01 |
| -10.000 | 1471.2026E-01 | 1478.7184E-01 | 1481.9214E-01 |
| -9.000 | 8817.9184E-02 | 8923.4154E-02 | 8969.2718E-02 |
| -8.000 | 5203.8664E-02 | 5348.4992E-02 | 5412.8658E-02 |
| -7.000 | 2963.5758E-02 | 3156.5105E-02 | 3244.7514E-02 |
| -6.000 | 1548.0798E-02 | 1797.7449E-02 | 1915.4425E-02 |
| -5.000 | 6262.8744E-03 | 9392.1818E-03 | 1091.4868E-02 |
| -4.000 | .0000E-99 | 3800.7092E-03 | 5708.2950E-03 |
| -3.000 | -4483.1567E-03 | .0000E-99 | 2314.5654E-03 |
| -2.000 | -7878.2993E-03 | -2724.8517E-03 | .0000E-99 |
| -1.000 | -1059.2884E-02 | -4798.1596E-03 | -1677.9424E-03 |
| .000 | -1287.2563E-02 | -6478.5743E-03 | -2997.1738E-03 |

TABLE 16

| F FUNCTION | | | |
|------------|----------------|----------------------|----------------|
| | RANGES | US FROM .0 TO 25.0 | |
| | | UB FROM -4.0 TO -2.0 | |
| UB= | -4.0 | -3.0 | -2.0 |
| US | | | |
| .000 | -1287.2563E-02 | -6478.5743E-03 | -2997.1738E-03 |
| 1.000 | -1487.8470E-02 | -7943.1628E-03 | -4162.0827E-03 |
| 2.000 | -1674.4758E-02 | -9357.7678E-03 | -5386.5465E-03 |
| 3.000 | -1864.3436E-02 | -1096.4237E-02 | -6991.3902E-03 |
| 4.000 | -2089.5901E-02 | -1321.8600E-02 | -9519.1595E-03 |
| 5.000 | -2418.7227E-02 | -1698.7365E-02 | -1384.4549E-02 |
| 6.000 | -2991.0084E-02 | -2374.0633E-02 | -2130.5788E-02 |
| 7.000 | -4052.6482E-02 | -3573.3127E-02 | -3397.6362E-02 |
| 8.000 | -5984.3962E-02 | -5640.2272E-02 | -5519.0317E-02 |
| 9.000 | -9358.4215E-02 | -9123.2547E-02 | -9041.7645E-02 |
| 10.000 | -1507.8450E-01 | -1492.2062E-01 | -1486.8081E-01 |
| 11.000 | -2462.4829E-01 | -2452.2338E-01 | -2448.6917E-01 |
| 12.000 | -4044.4215E-01 | -4037.7617E-01 | -4035.4532E-01 |
| 13.000 | -6657.9774E-01 | -6653.6744E-01 | -6652.1776E-01 |
| 14.000 | -1097.0561E-00 | -1096.7793E-00 | -1096.6826E-00 |
| 15.000 | -1808.3141E-00 | -1800.1366E-00 | -1808.0744E-00 |
| 16.000 | -2981.1319E-00 | -2981.0184E-00 | -2980.9786E-00 |
| 17.000 | -4914.8799E-00 | -4914.8075E-00 | -4914.7820E-00 |
| 18.000 | -8103.1546E-00 | -8103.1086E-00 | -8103.0924E-00 |
| 19.000 | -1335.9771E+01 | -1335.9742E+01 | -1335.9732E+01 |
| 20.000 | -2202.6494E+01 | -2202.6475E+01 | -2202.6469E+01 |
| 21.000 | -3631.5520E+01 | -3631.5507E+01 | -3631.5503E+01 |
| 22.000 | -5987.4153E+01 | -5987.4145E+01 | -5987.4142E+01 |
| 23.000 | -9871.5777E+01 | -9871.5773E+01 | -9871.5771E+01 |
| 24.000 | -1627.5479E+02 | -1627.5479E+02 | -1627.5479E+02 |
| 25.000 | -2683.3728E+02 | -2683.3728E+02 | -2683.3728E+02 |

TABLE 17

| F FUNCTION | | | |
|------------|----------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | -1.0 TO | 1.0 |
| UB= | -1.0 | .0 | 1.0 |
| US | | | |
| -25.000 | 2683.3728E+02 | 2683.3728E+02 | 2683.3728E+02 |
| -24.000 | 1627.5479E+02 | 1627.5479E+02 | 1627.5479E+02 |
| -23.000 | 9871.5770E+01 | 9871.5770E+01 | 9871.5770E+01 |
| -22.000 | 5987.4141E+01 | 5987.4141E+01 | 5987.4141E+01 |
| -21.000 | 3631.5502E+01 | 3631.5502E+01 | 3631.5502E+01 |
| -20.000 | 2202.6464E+01 | 2202.6465E+01 | 2202.6466E+01 |
| -19.000 | 1335.9725E+01 | 1335.9726E+01 | 1335.9728E+01 |
| -18.000 | 8103.0813E-00 | 8103.0837E-00 | 8103.0865E-00 |
| -17.000 | 4914.7648E-00 | 4914.7686E-00 | 4914.7729E-00 |
| -16.000 | 2980.9515E-00 | 2980.9576E-00 | 2980.9641E-00 |
| -15.000 | 1808.0324E-00 | 1808.0418E-00 | 1808.0519E-00 |
| -14.000 | 1096.6178E-00 | 1096.6322E-00 | 1096.6478E-00 |
| -13.000 | 6651.1812E-01 | 6651.4012E-01 | 6651.6405E-01 |
| -12.000 | 4033.9294E-01 | 4034.2631E-01 | 4034.6284E-01 |
| -11.000 | 2446.3759E-01 | 2446.8784E-01 | 2447.4325E-01 |
| -10.000 | 1483.3148E-01 | 1484.0642E-01 | 1484.8984E-01 |
| -9.000 | 8989.5465E-02 | 9000.6022E-02 | 9013.0472E-02 |
| -8.000 | 5441.8925E-02 | 5457.9834E-02 | 5476.3362E-02 |
| -7.000 | 3285.4918E-02 | 3308.5255E-02 | 3335.1930E-02 |
| -6.000 | 1971.2764E-02 | 2003.5749E-02 | 2041.5629E-02 |
| -5.000 | 1165.8993E-02 | 1210.0408E-02 | 1262.6802E-02 |
| -4.000 | 6669.2651E-03 | 7253.7207E-03 | 7955.0183E-03 |
| -3.000 | 3514.0233E-03 | 4258.5589E-03 | 5143.0314E-03 |
| -2.000 | 1444.9317E-03 | 2350.4023E-03 | 3389.6072E-03 |
| -1.000 | .0000E-99 | 1042.1905E-03 | 2168.1339E-03 |
| .000 | -1124.3848E-03 | .0000E-99 | 1124.3848E-03 |

TABLE 18

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | -1.0 TO 1.0 |
| UB= | -1.0 | .0 | 1.0 |
| US | | | |
| .000 | -1124.3848E-03 | .0000E-99 | 1124.3848E-03 |
| 1.000 | -2168.1339E-03 | -1042.1905E-03 | .0000E-99 |
| 2.000 | -3389.6072E-03 | -2350.4023E-03 | -1444.9317E-03 |
| 3.000 | -5143.0314E-03 | -4258.5589E-03 | -3514.0233E-03 |
| 4.000 | -7955.0183E-03 | -7253.7207E-03 | -6669.2651E-03 |
| 5.000 | -1262.6802E-02 | -1210.0408E-02 | -1165.8993E-02 |
| 6.000 | -2041.5629E-02 | -2003.5749E-02 | -1971.2764E-02 |
| 7.000 | -3335.1930E-02 | -3308.5255E-02 | -3285.4918E-02 |
| 8.000 | -5476.3362E-02 | -5457.9834E-02 | -5441.8925E-02 |
| 9.000 | -9013.0472E-02 | -9000.6022E-02 | -8989.5465E-02 |
| 10.000 | -1484.8984E-01 | -1484.0642E-01 | -1483.3148E-01 |
| 11.000 | -2447.4325E-01 | -2446.8784E-01 | -2446.3759E-01 |
| 12.000 | -4034.6284E-01 | -4034.2631E-01 | -4033.9294E-01 |
| 13.000 | -6651.6405E-01 | -6651.4012E-01 | -6651.1812E-01 |
| 14.000 | -1096.6478E-00 | -1096.6322E-00 | -1096.6178E-00 |
| 15.000 | -1808.0519E-00 | -1808.0418E-00 | -1808.0324E-00 |
| 16.000 | -2980.9641E-00 | -2980.9576E-00 | -2980.9515E-00 |
| 17.000 | -4914.7729E-00 | -4914.7686E-00 | -4914.7648E-00 |
| 18.000 | -8103.0865E-00 | -8103.0837E-00 | -8103.0813E-00 |
| 19.000 | -1335.9728E+01 | -1335.9726E+01 | -1335.9725E+01 |
| 20.000 | -2202.6466E+01 | -2202.6465E+01 | -2202.6464E+01 |
| 21.000 | -3631.5502E+01 | -3631.5502E+01 | -3631.5502E+01 |
| 22.000 | -5987.4141E+01 | -5987.4141E+01 | -5987.4141E+01 |
| 23.000 | -9871.5770E+01 | -9871.5770E+01 | -9871.5770E+01 |
| 24.000 | -1627.5479E+02 | -1627.5479E+02 | -1627.5479E+02 |
| 25.000 | -2683.3728E+02 | -2683.3728E+02 | -2683.3728E+02 |

TABLE 19

| | | F FUNCTION | | |
|---------|---------------|---------------|---------------|-----|
| RANGES | | US FROM | -25.0 TO | .0 |
| | | UB FROM | 2.0 TO | 4.0 |
| UB= | 2.0 | 3.0 | 4.0 | |
| US | | | | |
| -25.000 | 2683.3728E+02 | 2683.3728E+02 | 2683.3728E+02 | |
| -24.000 | 1627.5479E+02 | 1627.5479E+02 | 1627.5479E+02 | |
| -23.000 | 9871.5771E+01 | 9871.5773E+01 | 9871.5777E+01 | |
| -22.000 | 5987.4142E+01 | 5987.4145E+01 | 5987.4153E+01 | |
| -21.000 | 3631.5503E+01 | 3631.5507E+01 | 3631.5520E+01 | |
| -20.000 | 2202.6469E+01 | 2202.6475E+01 | 2202.6494E+01 | |
| -19.000 | 1335.9732E+01 | 1335.9742E+01 | 1335.9771E+01 | |
| -18.000 | 8103.0924E-00 | 8103.1086E-00 | 8103.1546E-00 | |
| -17.000 | 4914.7820E-00 | 4914.8075E-00 | 4914.8799E-00 | |
| -16.000 | 2980.9786E-00 | 2981.0184E-00 | 2981.1319E-00 | |
| -15.000 | 1808.0744E-00 | 1808.1366E-00 | 1808.3141E-00 | |
| -14.000 | 1096.6826E-00 | 1096.7793E-00 | 1097.0561E-00 | |
| -13.000 | 6652.1776E-01 | 6653.6744E-01 | 6657.9774E-01 | |
| -12.000 | 4035.4532E-01 | 4037.7617E-01 | 4044.4215E-01 | |
| -11.000 | 2448.6917E-01 | 2452.2338E-01 | 2462.4829E-01 | |
| -10.000 | 1486.8081E-01 | 1492.2062E-01 | 1507.8450E-01 | |
| -9.000 | 9041.7645E-02 | 9123.2547E-02 | 9358.4215E-02 | |
| -8.000 | 5519.0317E-02 | 5640.2272E-02 | 5984.3962E-02 | |
| -7.000 | 3397.6362E-02 | 3573.3127E-02 | 4052.6482E-02 | |
| -6.000 | 2130.5788E-02 | 2374.0633E-02 | 2991.0084E-02 | |
| -5.000 | 1384.4549E-02 | 1698.7365E-02 | 2418.7227E-02 | |
| -4.000 | 9519.1595E-03 | 1321.8600E-02 | 2089.5901E-02 | |
| -3.000 | 6991.3902E-03 | 1096.4237E-02 | 1864.3436E-02 | |
| -2.000 | 5386.5465E-03 | 9357.7678E-03 | 1674.4758E-02 | |
| -1.000 | 4162.0827E-03 | 7943.1628E-03 | 1487.8470E-02 | |
| .000 | 2997.1738E-03 | 6478.5743E-03 | 1287.2563E-02 | |

TABLE 20

| | | F FUNCTION | | |
|--------|----------------|----------------|----------------|------|
| RANGES | | US FROM | .0 TO | 25.0 |
| | | UB FROM | 2.0 TO | 4.0 |
| UB= | 2.0 | 3.0 | 4.0 | |
| US | | | | |
| .000 | 2997.1738E-03 | 6478.5743E-03 | 1287.2563E-02 | |
| 1.000 | 1677.9424E-03 | 4798.1596E-03 | 1059.2884E-02 | |
| 2.000 | .0000E-99 | 2724.8517E-03 | 7878.2993E-03 | |
| 3.000 | -2314.5654E-03 | .0000E-99 | 4483.1567E-03 | |
| 4.000 | -5708.2950E-03 | -3800.7092E-03 | .0000E-99 | |
| 5.000 | -1091.4868E-02 | -9392.1818E-03 | -6262.8744E-03 | |
| 6.000 | -1915.4425E-02 | -1797.7449E-02 | -1548.0798E-02 | |
| 7.000 | -3244.7514E-02 | -3156.5105E-02 | -2963.5758E-02 | |
| 8.000 | -5412.8658E-02 | -5348.4992E-02 | -5203.8664E-02 | |
| 9.000 | -8969.2718E-02 | -8923.4154E-02 | -8817.9184E-02 | |
| 10.000 | -1481.9214E-01 | -1478.7184E-01 | -1471.2026E-01 | |
| 11.000 | -2445.4311E-01 | -2443.2298E-01 | -2437.9800E-01 | |
| 12.000 | -4033.2957E-01 | -4031.8029E-01 | -4028.1951E-01 | |
| 13.000 | -6650.7600E-01 | -6649.7587E-01 | -6647.3120E-01 | |
| 14.000 | -1096.5901E-00 | -1096.5235E-00 | -1096.3594E-00 | |
| 15.000 | -1808.0143E-00 | -1807.9704E-00 | -1807.8613E-00 | |
| 16.000 | -2980.9397E-00 | -2980.9109E-00 | -2980.8390E-00 | |
| 17.000 | -4914.7571E-00 | -4914.7383E-00 | -4914.6912E-00 | |
| 18.000 | -8103.0763E-00 | -8103.0641E-00 | -8103.0334E-00 | |
| 19.000 | -1335.9722E+01 | -1335.9714E+01 | -1335.9694E+01 | |
| 20.000 | -2202.6462E+01 | -2202.6457E+01 | -2202.6445E+01 | |
| 21.000 | -3631.5500E+01 | -3631.5498E+01 | -3631.5489E+01 | |
| 22.000 | -5987.4140E+01 | -5987.4138E+01 | -5987.4133E+01 | |
| 23.000 | -9871.5770E+01 | -9871.5768E+01 | -9871.5765E+01 | |
| 24.000 | -1627.5479E+02 | -1627.5479E+02 | -1627.5478E+02 | |
| 25.000 | -2683.3728E+02 | -2683.3728E+02 | -2683.3728E+02 | |

TABLE 21

| F FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 5.0 TO | 7.0 |
| UB= | 5.0 | 6.0 | 7.0 |
| US | | | |
| -25.000 | 2683.3729E+02 | 2683.3730E+02 | 2683.3734E+02 |
| -24.000 | 1627.5480E+02 | 1627.5482E+02 | 1627.5488E+02 |
| -23.000 | 9871.5791E+01 | 9871.5827E+01 | 9871.5931E+01 |
| -22.000 | 5987.4173E+01 | 5987.4231E+01 | 5987.4398E+01 |
| -21.000 | 3631.5553E+01 | 3631.5645E+01 | 3631.5911E+01 |
| -20.000 | 2202.6546E+01 | 2202.6694E+01 | 2202.7113E+01 |
| -19.000 | 1335.9854E+01 | 1336.0089E+01 | 1336.0752E+01 |
| -18.000 | 8103.2853E-00 | 8103.6564E-00 | 8104.7077E-00 |
| -17.000 | 4915.0858E-00 | 4915.6716E-00 | 4917.3342E-00 |
| -16.000 | 2981.4558E-00 | 2982.3786E-00 | 2985.0019E-00 |
| -15.000 | 1808.8220E-00 | 1810.2723E-00 | 1814.3998E-00 |
| -14.000 | 1097.8504E-00 | 1100.1224E-00 | 1106.5879E-00 |
| -13.000 | 6670.3544E-01 | 6705.7816E-01 | 6806.2427E-01 |
| -12.000 | 4063.6102E-01 | 4118.4103E-01 | 4271.9336E-01 |
| -11.000 | 2491.9916E-01 | 2575.4408E-01 | 2802.0865E-01 |
| -10.000 | 1552.5509E-01 | 1675.6448E-01 | 1989.2858E-01 |
| -9.000 | 1001.6163E-01 | 1172.6485E-01 | 1566.9258E-01 |
| -8.000 | 6900.5956E-02 | 9069.4518E-02 | 1354.0239E-01 |
| -7.000 | 5224.0706E-02 | 7705.6765E-02 | 1239.0662E-01 |
| -6.000 | 4344.5160E-02 | 6957.8127E-02 | 1164.6037E-01 |
| -5.000 | 3852.3555E-02 | 6467.3628E-02 | 1105.0508E-01 |
| -4.000 | 3523.9956E-02 | 6070.7894E-02 | 1049.8065E-01 |
| -3.000 | 3254.1771E-02 | 5698.7200E-02 | 9944.7599E-02 |
| -2.000 | 2996.5805E-02 | 5321.1876E-02 | 9370.4753E-02 |
| -1.000 | 2729.6608E-02 | 4923.0469E-02 | 8763.2815E-02 |
| .000 | 2440.5168E-02 | 4493.4693E-02 | 8112.8244E-02 |

TABLE 22

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 5.0 TO | 7.0 |
| UB= | 5.0 | 6.0 | 7.0 |
| US | | | |
| .000 | 2440.5168E-02 | 4493.4693E-02 | 8112.8244E-02 |
| 1.000 | 2117.2906E-02 | 4020.9283E-02 | 7406.9195E-02 |
| 2.000 | 1744.4878E-02 | 3489.6969E-02 | 6628.7643E-02 |
| 3.000 | 1298.1844E-02 | 2875.7313E-02 | 5753.2862E-02 |
| 4.000 | 7389.3842E-03 | 2140.1818E-02 | 4741.1804E-02 |
| 5.000 | .0000E-99 | 1218.2567E-02 | 3528.5271E-02 |
| 6.000 | -1032.4966E-02 | .0000E-99 | 2008.5552E-02 |
| 7.000 | -2552.2566E-02 | -1702.2826E-02 | .0000E-99 |
| 8.000 | -4886.0201E-02 | -4207.9384E-02 | -2806.5849E-02 |
| 9.000 | -8579.6494E-02 | -8055.6650E-02 | -6937.7123E-02 |
| 10.000 | -1453.8230E-01 | -1414.5434E-01 | -1328.1542E-01 |
| 11.000 | -2425.5985E-01 | -2396.9476E-01 | -2332.1873E-01 |
| 12.000 | -4019.5464E-01 | -3999.1351E-01 | -3951.8982E-01 |
| 13.000 | -6641.3683E-01 | -6627.1109E-01 | -6593.4586E-01 |
| 14.000 | -1095.9563E-00 | -1094.9764E-00 | -1092.6258E-00 |
| 15.000 | -1807.5909E-00 | -1806.9264E-00 | -1805.3109E-00 |
| 16.000 | -2980.6592E-00 | -2980.2135E-00 | -2979.1180E-00 |
| 17.000 | -4914.5727E-00 | -4914.2764E-00 | -4913.5415E-00 |
| 18.000 | -8102.9557E-00 | -8102.7603E-00 | -8102.2719E-00 |
| 19.000 | -1335.9644E+01 | -1335.9515E+01 | -1335.9193E+01 |
| 20.000 | -2202.6412E+01 | -2202.6328E+01 | -2202.6117E+01 |
| 21.000 | -3631.5469E+01 | -3631.5414E+01 | -3631.5277E+01 |
| 22.000 | -5987.4119E+01 | -5987.4084E+01 | -5987.3996E+01 |
| 23.000 | -9871.5757E+01 | -9871.5734E+01 | -9871.5677E+01 |
| 24.000 | -1627.5478E+02 | -1627.5476E+02 | -1627.5473E+02 |
| 25.000 | -2683.3728E+02 | -2683.3727E+02 | -2683.3724E+02 |

TABLE 23

| F FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 8.0 TO | 10.0 |
| UB= | 8.0 | 9.0 | 10.0 |
| US | | | |
| -25.000 | 2683.3746E+02 | 2683.3778E+02 | 2683.3867E+02 |
| -24.000 | 1627.5507E+02 | 1627.5558E+02 | 1627.5702E+02 |
| -23.000 | 9871.6224E+01 | 9871.7042E+01 | 9871.9340E+01 |
| -22.000 | 5987.4863E+01 | 5987.6170E+01 | 5987.9843E+01 |
| -21.000 | 3631.6651E+01 | 3631.8736E+01 | 3632.4599E+01 |
| -20.000 | 2202.8292E+01 | 2203.1615E+01 | 2204.0961E+01 |
| -19.000 | 1336.2626E+01 | 1336.7912E+01 | 1338.2788E+01 |
| -18.000 | 8107.6811E-00 | 8116.0734E-00 | 8139.6980E-00 |
| -17.000 | 4922.0418E-00 | 4935.3348E-00 | 4972.6895E-00 |
| -16.000 | 2992.4358E-00 | 3013.4008E-00 | 3071.9329E-00 |
| -15.000 | 1826.0883E-00 | 1858.8675E-00 | 1948.7566E-00 |
| -14.000 | 1124.8130E-00 | 1175.1051E-00 | 1307.3687E-00 |
| -13.000 | 7085.4255E-01 | 7826.7371E-01 | 9628.0613E-01 |
| -12.000 | 4683.9405E-01 | 5699.2672E-01 | 7907.6581E-01 |
| -11.000 | 3369.4416E-01 | 4624.2051E-01 | 7073.9201E-01 |
| -10.000 | 2696.3446E-01 | 4097.3402E-01 | 6637.2382E-01 |
| -9.000 | 2362.1686E-01 | 3819.1034E-01 | 6360.6561E-01 |
| -8.000 | 2183.9258E-01 | 3641.8443E-01 | 6143.5404E-01 |
| -7.000 | 2069.5420E-01 | 3502.0408E-01 | 5945.7555E-01 |
| -6.000 | 1978.7845E-01 | 3374.1163E-01 | 5751.5252E-01 |
| -5.000 | 1895.2549E-01 | 3247.8994E-01 | 5554.4482E-01 |
| -4.000 | 1812.3231E-01 | 3119.1606E-01 | 5351.6228E-01 |
| -3.000 | 1727.1280E-01 | 2985.8676E-01 | 5141.3785E-01 |
| -2.000 | 1638.1740E-01 | 2846.7237E-01 | 4922.3840E-01 |
| -1.000 | 1544.3687E-01 | 2700.5710E-01 | 4693.2691E-01 |
| .000 | 1444.6004E-01 | 2546.1082E-01 | 4452.4173E-01 |

TABLE 24

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | 8.0 TO 10.0 |
| UB= | 8.0 | 9.0 | 10.0 |
| US | | | |
| .000 | 1444.6004E-01 | 2546.1082E-01 | 4452.4173E-01 |
| 1.000 | 1337.4913E-01 | 2381.6941E-01 | 4197.7947E-01 |
| 2.000 | 1221.1597E-01 | 2205.1310E-01 | 3926.7389E-01 |
| 3.000 | 1092.8845E-01 | 2013.3443E-01 | 3635.6420E-01 |
| 4.000 | 9485.5100E-02 | 1801.8588E-01 | 3319.4419E-01 |
| 5.000 | 7816.8629E-02 | 1563.8948E-01 | 2970.7623E-01 |
| 6.000 | 5817.5494E-02 | 1288.7823E-01 | 2578.4264E-01 |
| 7.000 | 3311.5457E-02 | 9591.5165E-02 | 2124.8427E-01 |
| 8.000 | .0000E-99 | 5459.8151E-02 | 1581.3735E-01 |
| 9.000 | -4627.2756E-02 | .0000E-99 | 9001.7126E-02 |
| 10.000 | -1143.8353E-01 | -7629.0890E-02 | .0000E-99 |
| 11.000 | -2189.7559E-01 | -1885.8655E-01 | -1257.8238E-01 |
| 12.000 | -3845.1269E-01 | -3610.2972E-01 | -3109.2667E-01 |
| 13.000 | -6515.5787E-01 | -6339.5424E-01 | -5952.3738E-01 |
| 14.000 | -1087.0775E-00 | -1074.2373E-00 | -1045.2139E-00 |
| 15.000 | -1801.4354E-00 | -1792.2878E-00 | -1771.1179E-00 |
| 16.000 | -2976.4546E-00 | -2970.0649E-00 | -2954.9831E-00 |
| 17.000 | -4911.7354E-00 | -4907.3440E-00 | -4896.8093E-00 |
| 18.000 | -8101.0604E-00 | -8098.0824E-00 | -8090.8424E-00 |
| 19.000 | -1335.8388E+01 | -1335.6390E+01 | -1335.1481E+01 |
| 20.000 | -2202.5586E+01 | -2202.4258E+01 | -2202.0965E+01 |
| 21.000 | -3631.4929E+01 | -3631.4052E+01 | -3631.1864E+01 |
| 22.000 | -5987.3768E+01 | -5987.3194E+01 | -5987.1750E+01 |
| 23.000 | -9871.5529E+01 | -9871.5155E+01 | -9871.4209E+01 |
| 24.000 | -1627.5464E+02 | -1627.5439E+02 | -1627.5377E+02 |
| 25.000 | -2683.3718E+02 | -2683.3703E+02 | -2683.3663E+02 |

TABLE 25

| F FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 11.0 TO | 13.0 |
| UB= | 11.0 | 12.0 | 13.0 |
| US | | | |
| -25.000 | 2683.4119E+02 | 2683.4820E+02 | 2683.6778E+02 |
| -24.000 | 1627.6104E+02 | 1627.7229E+02 | 1628.0371E+02 |
| -23.000 | 9872.5778E+01 | 9874.3795E+01 | 9879.4168E+01 |
| -22.000 | 5989.0139E+01 | 5991.8976E+01 | 5999.9623E+01 |
| -21.000 | 3634.1048E+01 | 3638.7139E+01 | 3651.5959E+01 |
| -20.000 | 2206.7202E+01 | 2214.0700E+01 | 2234.5523E+01 |
| -19.000 | 1342.4553E+01 | 1354.1231E+01 | 1386.3517E+01 |
| -18.000 | 8205.8786E-00 | 8389.2704E-00 | 8884.3891E-00 |
| -17.000 | 5076.5691E-00 | 5358.3660E-00 | 6081.5246E-00 |
| -16.000 | 3231.5380E-00 | 3644.2406E-00 | 4612.3405E-00 |
| -15.000 | 2183.0874E-00 | 2738.7299E-00 | 3900.5357E-00 |
| -14.000 | 1624.6795E-00 | 2295.9690E-00 | 3564.4569E-00 |
| -13.000 | 1348.8953E-00 | 2085.3125E-00 | 3391.5701E-00 |
| -12.000 | 1216.5466E-00 | 1976.3893E-00 | 3283.3941E-00 |
| -11.000 | 1147.7068E-00 | 1908.0040E-00 | 3199.2783E-00 |
| -10.000 | 1104.3139E-00 | 1854.6905E-00 | 3123.3190E-00 |
| -9.000 | 1070.3792E-00 | 1806.4326E-00 | 3049.3908E-00 |
| -8.000 | 1039.5747E-00 | 1759.3527E-00 | 2975.1048E-00 |
| -7.000 | 1009.4339E-00 | 1711.9237E-00 | 2899.4742E-00 |
| -6.000 | 9789.7379E-01 | 1663.5007E-00 | 2822.0284E-00 |
| -5.000 | 9477.6607E-01 | 1613.7611E-00 | 2742.4762E-00 |
| -4.000 | 9155.8320E-01 | 1562.4904E-00 | 2660.5767E-00 |
| -3.000 | 8822.6071E-01 | 1509.4990E-00 | 2576.0863E-00 |
| -2.000 | 8476.4215E-01 | 1454.5858E-00 | 2488.7336E-00 |
| -1.000 | 8115.5322E-01 | 1397.5194E-00 | 2398.2029E-00 |
| .000 | 7737.8511E-01 | 1338.0227E-00 | 2304.1186E-00 |

TABLE 26

F FUNCTION

| | RANGES | | |
|--------|----------------|----------------|----------------|
| | US FROM | .0 TO | 25.0 |
| | UB FROM | 11.0 TO | 13.0 |
| UB= | 11.0 | 12.0 | 13.0 |
| US | | | |
| .000 | 7737.8511E-01 | 1338.0227E-00 | 2304.1186E-00 |
| 1.000 | 7340.7789E-01 | 1275.7550E-00 | 2206.0259E-00 |
| 2.000 | 6920.9873E-01 | 1210.2895E-00 | 2103.3643E-00 |
| 3.000 | 6474.0955E-01 | 1141.0777E-00 | 1995.4299E-00 |
| 4.000 | 5994.1594E-01 | 1067.3978E-00 | 1881.3191E-00 |
| 5.000 | 5472.8340E-01 | 9882.6980E-01 | 1759.8415E-00 |
| 6.000 | 4897.9587E-01 | 9023.1777E-01 | 1629.3814E-00 |
| 7.000 | 4251.1064E-01 | 8075.3686E-01 | 1487.6705E-00 |
| 8.000 | 3503.2733E-01 | 7008.8894E-01 | 1331.4032E-00 |
| 9.000 | 2607.2443E-01 | 5775.9212E-01 | 1155.5705E-00 |
| 10.000 | 1484.1315E-01 | 4298.6189E-01 | 9522.8845E-01 |
| 11.000 | .0000E-99 | 2446.9192E-01 | 7087.2246E-01 |
| 12.000 | -2073.8010E-01 | .0000E-99 | 4034.2879E-01 |
| 13.000 | -5126.3141E-01 | -3419.1199E-01 | .0000E-99 |
| 14.000 | -9813.8055E-01 | -8451.8642E-01 | -5637.1766E-01 |
| 15.000 | -1723.2663E-00 | -1618.0229E-00 | -1393.4767E-00 |
| 16.000 | -2920.0797E-00 | -2841.1858E-00 | -2667.6688E-00 |
| 17.000 | -4871.9436E-00 | -4814.3977E-00 | -4684.3235E-00 |
| 18.000 | -8073.4736E-00 | -8032.4770E-00 | -7937.5997E-00 |
| 19.000 | -1333.9544E+01 | -1331.0907E+01 | -1324.3315E+01 |
| 20.000 | -2201.2870E+01 | -2199.3190E+01 | -2194.5976E+01 |
| 21.000 | -3630.6434E+01 | -3629.3088E+01 | -3626.0639E+01 |
| 22.000 | -5986.8141E+01 | -5985.9189E+01 | -5983.7184E+01 |
| 23.000 | -9871.1829E+01 | -9870.5878E+01 | -9869.1118E+01 |
| 24.000 | -1627.5221E+02 | -1627.4829E+02 | -1627.3848E+02 |
| 25.000 | -2683.3561E+02 | -2683.3304E+02 | -2683.2657E+02 |

TABLE 27

| F FUNCTION | | | |
|----------------------------|---------------|---------------|---------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM 14.0 TO 16.0 | | | |
| UB= | 14.0 | 15.0 | 16.0 |
| US | | | |
| -25.000 | 2684.2242E+02 | 2685.7473E+02 | 2689.9877E+02 |
| -24.000 | 1628.9143E+02 | 1631.3596E+02 | 1638.1599E+02 |
| -23.000 | 9893.4812E+01 | 9932.6517E+01 | 1004.1152E+02 |
| -22.000 | 6022.4612E+01 | 6084.8972E+01 | 6255.9562E+01 |
| -21.000 | 3687.4167E+01 | 3785.8041E+01 | 4048.1052E+01 |
| -20.000 | 2290.9629E+01 | 2441.9496E+01 | 2821.6645E+01 |
| -19.000 | 1472.9753E+01 | 1692.2171E+01 | 2192.2820E+01 |
| -18.000 | 1014.5969E+01 | 1304.8698E+01 | 1894.4698E+01 |
| -17.000 | 7760.9974E-00 | 1120.2432E+01 | 1756.4466E+01 |
| -16.000 | 6615.2577E-00 | 1034.1983E+01 | 1686.2844E+01 |
| -15.000 | 6077.9879E-00 | 9903.0561E-00 | 1642.7182E+01 |
| -14.000 | 5802.8372E-00 | 9629.9061E-00 | 1609.0364E+01 |
| -13.000 | 5631.1743E-00 | 9418.3800E-00 | 1578.7764E+01 |
| -12.000 | 5497.9871E-00 | 9228.0663E-00 | 1549.4765E+01 |
| -11.000 | 5377.9529E-00 | 9043.5230E-00 | 1520.1932E+01 |
| -10.000 | 5261.3616E-00 | 8858.8060E-00 | 1490.5529E+01 |
| -9.000 | 5144.4531E-00 | 8671.5341E-00 | 1460.3929E+01 |
| -8.000 | 5025.7011E-00 | 8480.6464E-00 | 1429.6276E+01 |
| -7.000 | 4904.4044E-00 | 8285.5574E-00 | 1398.1971E+01 |
| -6.000 | 4780.1554E-00 | 8085.8364E-00 | 1366.0480E+01 |
| -5.000 | 4652.6365E-00 | 7881.0836E-00 | 1333.1255E+01 |
| -4.000 | 4521.5404E-00 | 7670.8779E-00 | 1299.3696E+01 |
| -3.000 | 4386.5349E-00 | 7454.7512E-00 | 1264.7134E+01 |
| -2.000 | 4247.2429E-00 | 7232.1702E-00 | 1229.0805E+01 |
| -1.000 | 4103.2260E-00 | 7002.5184E-00 | 1192.3832E+01 |
| .000 | 3953.9673E-00 | 6765.0754E-00 | 1154.5201E+01 |

TABLE 28

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 14.0 TO | 16.0 |
| UB= | 14.0 | 15.0 | 16.0 |
| US | | | |
| .000 | 3953.9673E-00 | 6765.0754E-00 | 1154.5201E+01 |
| 1.000 | 3798.8491E-00 | 6518.9899E-00 | 1115.3724E+01 |
| 2.000 | 3637.1219E-00 | 6263.2432E-00 | 1074.7997E+01 |
| 3.000 | 3467.8614E-00 | 5996.6000E-00 | 1032.6342E+01 |
| 4.000 | 3289.9079E-00 | 5717.5369E-00 | 9886.7224E-00 |
| 5.000 | 3101.7711E-00 | 5424.1409E-00 | 9426.6247E-00 |
| 6.000 | 2901.4881E-00 | 5113.9557E-00 | 8942.8965E-00 |
| 7.000 | 2686.3958E-00 | 4783.7452E-00 | 8431.4874E-00 |
| 8.000 | 2452.7540E-00 | 4429.1179E-00 | 7887.0625E-00 |
| 9.000 | 2195.1127E-00 | 4043.9077E-00 | 7302.3809E-00 |
| 10.000 | 1905.2137E-00 | 3619.1291E-00 | 6667.2768E-00 |
| 11.000 | 1570.0581E-00 | 3141.1665E-00 | 5966.9353E-00 |
| 12.000 | 1168.4857E-00 | 2588.5883E-00 | 5178.9078E-00 |
| 13.000 | 6651.4156E-01 | 1926.5073E-00 | 4267.8607E-00 |
| 14.000 | .0000E-99 | 1096.6331E-00 | 3176.2737E-00 |
| 15.000 | -9294.1314E-01 | .0000E-99 | 1808.0424E-00 |
| 16.000 | -2297.4546E-00 | -1532.3432E-00 | .0000E-99 |
| 17.000 | -4398.2424E-00 | -3787.8624E-00 | -2526.4071E-00 |
| 18.000 | -7723.1436E-00 | -7251.4757E-00 | -6245.1291E-00 |
| 19.000 | -1308.6889E+01 | -1273.3311E+01 | -1195.5662E+01 |
| 20.000 | -2183.4536E+01 | -2157.6633E+01 | -2099.3681E+01 |
| 21.000 | -3618.2798E+01 | -3599.9063E+01 | -3557.3854E+01 |
| 22.000 | -5978.3688E+01 | -5965.5349E+01 | -5935.2422E+01 |
| 23.000 | -9865.4839E+01 | -9856.6638E+01 | -9835.5043E+01 |
| 24.000 | -1627.1414E+02 | -1626.5433E+02 | -1625.0891E+02 |
| 25.000 | -2683.1039E+02 | -2682.7027E+02 | -2681.7165E+02 |

TABLE 29

| F FUNCTION | | | |
|----------------------------|---------------|---------------|---------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM 17.0 TO 19.0 | | | |
| UB= | 17.0 | 18.0 | 19.0 |
| US | | | |
| -25.000 | 2701.7633E+02 | 2734.2753E+02 | 2822.7581E+02 |
| -24.000 | 1656.9647E+02 | 1708.2500E+02 | 1843.5123E+02 |
| -23.000 | 1033.7720E+02 | 1112.2590E+02 | 1306.2379E+02 |
| -22.000 | 6710.2913E+01 | 7839.4207E+01 | 1035.5773E+02 |
| -21.000 | 4703.7740E+01 | 6175.6737E+01 | 9099.2446E+01 |
| -20.000 | 3680.6840E+01 | 5398.6887E+01 | 8524.9590E+01 |
| -19.000 | 3199.8524E+01 | 5042.0642E+01 | 8235.4886E+01 |
| -18.000 | 2978.1342E+01 | 4861.8503E+01 | 8056.6884E+01 |
| -17.000 | 2865.7780E+01 | 4750.3619E+01 | 7918.9869E+01 |
| -16.000 | 2796.1484E+01 | 4664.4025E+01 | 7795.6939E+01 |
| -15.000 | 2742.3941E+01 | 4587.3610E+01 | 7676.7082E+01 |
| -14.000 | 2694.1625E+01 | 4512.9388E+01 | 7558.1983E+01 |
| -13.000 | 2647.5196E+01 | 4438.7402E+01 | 7438.6785E+01 |
| -12.000 | 2600.9641E+01 | 4363.8307E+01 | 7317.5349E+01 |
| -11.000 | 2553.9060E+01 | 4287.8189E+01 | 7194.4746E+01 |
| -10.000 | 2506.0941E+01 | 4210.5120E+01 | 7069.3185E+01 |
| -9.000 | 2457.4009E+01 | 4131.7882E+01 | 6941.9235E+01 |
| -8.000 | 2407.7413E+01 | 4051.5457E+01 | 6812.1529E+01 |
| -7.000 | 2357.0426E+01 | 3969.6856E+01 | 6679.8642E+01 |
| -6.000 | 2305.2318E+01 | 3886.1031E+01 | 6544.9030E+01 |
| -5.000 | 2252.2303E+01 | 3800.6834E+01 | 6407.1000E+01 |
| -4.000 | 2197.9515E+01 | 3713.2996E+01 | 6266.2673E+01 |
| -3.000 | 2142.2981E+01 | 3623.8093E+01 | 6122.1960E+01 |
| -2.000 | 2085.1598E+01 | 3532.0525E+01 | 5974.6514E+01 |
| -1.000 | 2026.4111E+01 | 3437.8474E+01 | 5823.3699E+01 |
| .000 | 1965.9075E+01 | 3340.9871E+01 | 5668.0520E+01 |

TABLE 30

| F FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 17.0 TO | 19.0 |
| UB= | 17.0 | 18.0 | 19.0 |
| US | | | |
| .000 | 1965.9075E+01 | 3340.9871E+01 | 5668.0520E+01 |
| 1.000 | 1903.4818E+01 | 3241.2337E+01 | 5508.3564E+01 |
| 2.000 | 1838.9381E+01 | 3138.3110E+01 | 5343.8907E+01 |
| 3.000 | 1772.0451E+01 | 3031.8964E+01 | 5174.2000E+01 |
| 4.000 | 1702.5260E+01 | 2921.6085E+01 | 4998.7521E+01 |
| 5.000 | 1630.0449E+01 | 2806.9908E+01 | 4816.9182E+01 |
| 6.000 | 1554.1876E+01 | 2687.4896E+01 | 4627.9455E+01 |
| 7.000 | 1474.4344E+01 | 2562.4222E+01 | 4430.9213E+01 |
| 8.000 | 1390.1172E+01 | 2430.9313E+01 | 4224.7201E+01 |
| 9.000 | 1300.3567E+01 | 2291.9159E+01 | 4007.9281E+01 |
| 10.000 | 1203.9590E+01 | 2143.9258E+01 | 3778.7306E+01 |
| 11.000 | 1099.2481E+01 | 1984.9929E+01 | 3534.7361E+01 |
| 12.000 | 9837.8137E-00 | 1812.3537E+01 | 3272.7001E+01 |
| 13.000 | 8538.5755E-00 | 1621.9811E+01 | 2988.0662E+01 |
| 14.000 | 7036.5126E-00 | 1407.7731E+01 | 2674.1948E+01 |
| 15.000 | 5236.7900E-00 | 1160.1248E+01 | 2321.0254E+01 |
| 16.000 | 2980.9578E-00 | 8634.0077E-00 | 1912.7224E+01 |
| 17.000 | .0000E-99 | 4914.7688E-00 | 1423.5071E+01 |
| 18.000 | -4165.3406E-00 | .0000E-99 | 8103.0833E-00 |
| 19.000 | -1029.6477E+01 | -6867.4871E-00 | .0000E-99 |
| 20.000 | -1971.1554E+01 | -1697.6021E+01 | -1132.2570E+01 |
| 21.000 | -3461.2728E+01 | -3249.8859E+01 | -2798.8726E+01 |
| 22.000 | -5865.1369E+01 | -5706.6742E+01 | -5358.1560E+01 |
| 23.000 | -9785.5601E+01 | -9669.9760E+01 | -9408.7150E+01 |
| 24.000 | -1621.6005E+02 | -1613.3661E+02 | -1594.3095E+02 |
| 25.000 | -2679.3190E+02 | -2673.5672E+02 | -2659.9910E+02 |

TABLE 31

| F FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 20.0 TO | 22.0 |
| UB= | 20.0 | 21.0 | 22.0 |
| US | | | |
| -25.000 | 3055.3587E+02 | 3624.2461E+02 | 4867.3491E+02 |
| -24.000 | 2176.0336E+02 | 2907.1810E+02 | 4333.7074E+02 |
| -23.000 | 1735.5616E+02 | 2577.8649E+02 | 4092.4438E+02 |
| -22.000 | 1532.2103E+02 | 2428.4804E+02 | 3971.6011E+02 |
| -21.000 | 1439.6326E+02 | 2353.5135E+02 | 3897.2446E+02 |
| -20.000 | 1393.0760E+02 | 2307.3316E+02 | 3840.1380E+02 |
| -19.000 | 1364.3592E+02 | 2271.8339E+02 | 3789.1290E+02 |
| -18.000 | 1342.2657E+02 | 2240.1039E+02 | 3740.0168E+02 |
| -17.000 | 1322.5014E+02 | 2209.5324E+02 | 3691.2172E+02 |
| -16.000 | 1303.4442E+02 | 2179.1340E+02 | 3642.1239E+02 |
| -15.000 | 1284.4798E+02 | 2148.5301E+02 | 3592.4939E+02 |
| -14.000 | 1265.3716E+02 | 2117.5678E+02 | 3542.2189E+02 |
| -13.000 | 1246.0228E+02 | 2086.1773E+02 | 3491.2387E+02 |
| -12.000 | 1226.3883E+02 | 2054.3189E+02 | 3439.5099E+02 |
| -11.000 | 1206.4417E+02 | 2021.9630E+02 | 3386.9937E+02 |
| -10.000 | 1186.1624E+02 | 1989.0825E+02 | 3333.6514E+02 |
| -9.000 | 1165.5313E+02 | 1955.6498E+02 | 3279.4420E+02 |
| -8.000 | 1144.5288E+02 | 1921.6358E+02 | 3224.3213E+02 |
| -7.000 | 1123.1338E+02 | 1887.0089E+02 | 3168.2417E+02 |
| -6.000 | 1101.3233E+02 | 1851.7345E+02 | 3111.1517E+02 |
| -5.000 | 1079.0720E+02 | 1815.7751E+02 | 3052.9941E+02 |
| -4.000 | 1056.3522E+02 | 1779.0890E+02 | 2993.7070E+02 |
| -3.000 | 1033.1328E+02 | 1741.6303E+02 | 2933.2219E+02 |
| -2.000 | 1009.3794E+02 | 1703.3480E+02 | 2871.4629E+02 |
| -1.000 | 9850.5350E+01 | 1664.1853E+02 | 2808.3461E+02 |
| .000 | 9601.1138E+01 | 1624.0786E+02 | 2743.7778E+02 |

TABLE 32

| F FUNCTION | | | |
|------------|----------------|--------------------|----------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM 20.0 TO 22.0 |
| UB= | 20.0 | 21.0 | 22.0 |
| US | | | |
| .000 | 9601.1138E+01 | 1624.0786E+02 | 2743.7778E+02 |
| 1.000 | 9345.0380E+01 | 1582.9560E+02 | 2677.6530E+02 |
| 2.000 | 9081.7445E+01 | 1540.7362E+02 | 2609.8533E+02 |
| 3.000 | 8810.5864E+01 | 1497.3265E+02 | 2540.2446E+02 |
| 4.000 | 8530.8136E+01 | 1452.6201E+02 | 2468.6740E+02 |
| 5.000 | 8241.5490E+01 | 1406.4933E+02 | 2394.9656E+02 |
| 6.000 | 7941.7554E+01 | 1358.8017E+02 | 2318.9155E+02 |
| 7.000 | 7630.1923E+01 | 1309.3741E+02 | 2240.2852E+02 |
| 8.000 | 7305.3543E+01 | 1258.0060E+02 | 2158.7929E+02 |
| 9.000 | 6965.3859E+01 | 1204.4492E+02 | 2074.1012E+02 |
| 10.000 | 6607.9564E+01 | 1148.3980E+02 | 1985.8011E+02 |
| 11.000 | 6230.0734E+01 | 1089.4678E+02 | 1893.3881E+02 |
| 12.000 | 5827.7947E+01 | 1027.1654E+02 | 1796.2287E+02 |
| 13.000 | 5395.7702E+01 | 9608.4093E+01 | 1693.5095E+02 |
| 14.000 | 4926.4882E+01 | 8896.1209E+01 | 1584.1588E+02 |
| 15.000 | 4409.0020E+01 | 8122.4057E+01 | 1466.7224E+02 |
| 16.000 | 3826.7241E+01 | 7269.2151E+01 | 1339.1583E+02 |
| 17.000 | 3153.5462E+01 | 6309.2012E+01 | 1198.4910E+02 |
| 18.000 | 2346.9664E+01 | 5199.3185E+01 | 1040.2114E+02 |
| 19.000 | 1335.9726E+01 | 3869.4935E+01 | 8572.2272E+01 |
| 20.000 | .0000E-99 | 2202.6465E+01 | 6379.7162E+01 |
| 21.000 | -1866.7760E+01 | .0000E-99 | 3631.5502E+01 |
| 22.000 | -4614.5608E+01 | -3077.7936E+01 | .0000E-99 |
| 23.000 | -8834.1058E+01 | -7608.1248E+01 | -5074.4239E+01 |
| 24.000 | -1551.2348E+02 | -1456.4978E+02 | -1254.3677E+02 |
| 25.000 | -2628.5720E+02 | -2557.5539E+02 | -2401.3589E+02 |

TABLE 33

| F FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 23.0 TO | 25.0 |
| UB= | 23.0 | 24.0 | 25.0 |
| US | | | |
| -25.000 | 7280.1830E+02 | 1159.0870E+03 | 1897.4311E+03 |
| -24.000 | 6890.2109E+02 | 1127.5982E+03 | 1866.2058E+03 |
| -23.000 | 6695.2293E+02 | 1108.2618E+03 | 1842.2744E+03 |
| -22.000 | 6575.3802E+02 | 1093.4328E+03 | 1820.9366E+03 |
| -21.000 | 6483.4047E+02 | 1080.2037E+03 | 1800.4275E+03 |
| -20.000 | 6401.3039E+02 | 1067.4818E+03 | 1780.0844E+03 |
| -19.000 | 6322.3051E+02 | 1054.8561E+03 | 1759.6559E+03 |
| -18.000 | 6243.8593E+02 | 1042.1706E+03 | 1739.0432E+03 |
| -17.000 | 6164.9939E+02 | 1029.3634E+03 | 1718.2040E+03 |
| -16.000 | 6085.3218E+02 | 1016.4077E+03 | 1697.1166E+03 |
| -15.000 | 6004.6731E+02 | 1003.2895E+03 | 1675.7668E+03 |
| -14.000 | 5922.9564E+02 | 9899.9934E+02 | 1654.1425E+03 |
| -13.000 | 5840.1075E+02 | 9765.2897E+02 | 1632.2321E+03 |
| -12.000 | 5756.0705E+02 | 9628.7041E+02 | 1610.0237E+03 |
| -11.000 | 5670.7898E+02 | 9490.1538E+02 | 1587.5048E+03 |
| -10.000 | 5584.2074E+02 | 9349.5510E+02 | 1564.6618E+03 |
| -9.000 | 5496.2616E+02 | 9206.8013E+02 | 1541.4803E+03 |
| -8.000 | 5406.8855E+02 | 9061.8032E+02 | 1517.9449E+03 |
| -7.000 | 5316.0069E+02 | 8914.4470E+02 | 1494.0388E+03 |
| -6.000 | 5223.5476E+02 | 8764.6137E+02 | 1469.7438E+03 |
| -5.000 | 5129.4219E+02 | 8612.1740E+02 | 1445.0405E+03 |
| -4.000 | 5033.5364E+02 | 8456.9870E+02 | 1419.9074E+03 |
| -3.000 | 4935.7885E+02 | 8298.8985E+02 | 1394.3214E+03 |
| -2.000 | 4836.0654E+02 | 8137.7395E+02 | 1368.2571E+03 |
| -1.000 | 4734.2420E+02 | 7973.3238E+02 | 1341.6864E+03 |
| .000 | 4630.1801E+02 | 7805.4455E+02 | 1314.5789E+03 |

| F FUNCTION | | | |
|------------|----------------|----------------|---------------|
| RANGES | | | |
| US FROM | .0 TO | 25.0 | |
| UB FROM | 23.0 TO | 25.0 | |
| UB= | 23.0 | 24.0 | 25.0 |
| US | | | |
| .000 | 4630.1801E+02 | 7805.4455E+02 | 1314.5789E+03 |
| 1.000 | 4523.7249E+02 | 7633.8764E+02 | 1286.9004E+03 |
| 2.000 | 4414.7035E+02 | 7458.3614E+02 | 1258.6134E+03 |
| 3.000 | 4302.9207E+02 | 7278.6155E+02 | 1229.6759E+03 |
| 4.000 | 4188.1554E+02 | 7094.3168E+02 | 1200.0408E+03 |
| 5.000 | 4070.1555E+02 | 6905.1010E+02 | 1169.6551E+03 |
| 6.000 | 3948.6309E+02 | 6710.5519E+02 | 1138.4587E+03 |
| 7.000 | 3823.2453E+02 | 6510.1916E+02 | 1106.3830E+03 |
| 8.000 | 3693.6059E+02 | 6303.4659E+02 | 1073.3491E+03 |
| 9.000 | 3559.2479E+02 | 6089.7267E+02 | 1039.2658E+03 |
| 10.000 | 3419.6148E+02 | 5868.2076E+02 | 1004.0262E+03 |
| 11.000 | 3274.0326E+02 | 5637.9919E+02 | 9675.0390E+02 |
| 12.000 | 3121.6694E+02 | 5397.9672E+02 | 9295.4771E+02 |
| 13.000 | 2961.4805E+02 | 5146.7626E+02 | 8899.7434E+02 |
| 14.000 | 2792.1251E+02 | 4882.6560E+02 | 8485.5771E+02 |
| 15.000 | 2611.8363E+02 | 4603.4362E+02 | 8050.1388E+02 |
| 16.000 | 2418.2164E+02 | 4306.1903E+02 | 7589.7831E+02 |
| 17.000 | 2207.8988E+02 | 3986.9648E+02 | 7099.7073E+02 |
| 18.000 | 1975.9775E+02 | 3640.2097E+02 | 6573.3937E+02 |
| 19.000 | 1715.0187E+02 | 3257.8362E+02 | 6001.6912E+02 |
| 20.000 | 1413.3213E+02 | 2827.5880E+02 | 5371.2640E+02 |
| 21.000 | 1051.8374E+02 | 2330.1729E+02 | 4661.9043E+02 |
| 22.000 | 5987.4141E+01 | 1734.1866E+02 | 3841.8058E+02 |
| 23.000 | .0000E-99 | 9871.5768E+01 | 2859.1906E+02 |
| 24.000 | -8366.3110E+01 | .0000E-99 | 1627.5479E+02 |
| 25.000 | -2068.1027E+02 | -1379.3714E+02 | .0000E-99 |

TABLE 35

| G FUNCTION | | | |
|------------|----------------|---------------------|------------------------|
| | RANGES | US FROM -25.0 TO .0 | UB FROM -25.0 TO -23.0 |
| UB= | -25.0 | -24.0 | -23.0 |
| US | | | |
| -25.000 | .0000E-99 | 2682.0197E+02 | 4089.6697E+02 |
| -24.000 | -3128.6003E+02 | .0000E-99 | 1626.7264E+02 |
| -23.000 | -5591.8853E+02 | -1897.5916E+02 | .0000E-99 |
| -22.000 | -7557.1155E+02 | -3391.6494E+02 | -1150.9475E+02 |
| -21.000 | -9197.3124E+02 | -4583.6218E+02 | -2057.1393E+02 |
| -20.000 | -1061.6031E+03 | -5578.4515E+02 | -2780.1071E+02 |
| -19.000 | -1187.6885E+03 | -6438.9482E+02 | -3383.5018E+02 |
| -18.000 | -1302.0289E+03 | -7203.6951E+02 | -3905.4194E+02 |
| -17.000 | -1407.2916E+03 | -7897.2052E+02 | -4369.2618E+02 |
| -16.000 | -1505.3067E+03 | -8535.6558E+02 | -4789.8969E+02 |
| -15.000 | -1597.3778E+03 | -9130.1476E+02 | -5177.1368E+02 |
| -14.000 | -1684.4654E+03 | -9688.5872E+02 | -5537.7143E+02 |
| -13.000 | -1767.2986E+03 | -1021.6800E+03 | -5876.4251E+02 |
| -12.000 | -1846.4453E+03 | -1071.9209E+03 | -6196.8026E+02 |
| -11.000 | -1922.3576E+03 | -1119.9258E+03 | -6501.5291E+02 |
| -10.000 | -1995.4022E+03 | -1165.9689E+03 | -6792.6936E+02 |
| -9.000 | -2065.8814E+03 | -1210.2727E+03 | -7071.9594E+02 |
| -8.000 | -2134.0479E+03 | -1253.0205E+03 | -7340.6756E+02 |
| -7.000 | -2200.1155E+03 | -1294.3656E+03 | -7599.9544E+02 |
| -6.000 | -2264.2669E+03 | -1334.4376E+03 | -7850.7253E+02 |
| -5.000 | -2326.6597E+03 | -1373.3474E+03 | -8093.7746E+02 |
| -4.000 | -2387.4311E+03 | -1411.1905E+03 | -8329.7745E+02 |
| -3.000 | -2446.7012E+03 | -1448.0502E+03 | -8559.3049E+02 |
| -2.000 | -2504.5762E+03 | -1483.9993E+03 | -8782.8704E+02 |
| -1.000 | -2561.1501E+03 | -1519.1022E+03 | -9000.9132E+02 |
| .000 | -2616.5069E+03 | -1553.4160E+03 | -9213.8234E+02 |

TABLE 36

G FUNCTION

RANGES US FROM .0 TO 25.0
 RANGES OF UB FROM -25.0 TO -23.0

| UB = | -25.0 | -24.0 | -23.0 |
|--------|----------------|----------------|----------------|
| US | | | |
| 0.000 | -2616.5069E+03 | -1553.4160E+03 | -9213.8234E+02 |
| 1.000 | -2670.7220E+03 | -1586.9916E+03 | -9421.9473E+02 |
| 2.000 | -2723.8632E+03 | -1619.8747E+03 | -9625.5939E+02 |
| 3.000 | -2775.9919E+03 | -1652.1064E+03 | -9825.0402E+02 |
| 4.000 | -2827.1639E+03 | -1683.7240E+03 | -1002.0535E+03 |
| 5.000 | -2877.4300E+03 | -1714.7614E+03 | -1021.2305E+03 |
| 6.000 | -2926.8366E+03 | -1745.2493E+03 | -1040.0556E+03 |
| 7.000 | -2975.4264E+03 | -1775.2159E+03 | -1058.5474E+03 |
| 8.000 | -3023.2386E+03 | -1804.6874E+03 | -1076.7230E+03 |
| 9.000 | -3070.3094E+03 | -1833.6867E+03 | -1094.5982E+03 |
| 10.000 | -3116.6723E+03 | -1862.2366E+03 | -1112.1973E+03 |
| 11.000 | -3162.3582E+03 | -1890.3571E+03 | -1129.5037E+03 |
| 12.000 | -3207.3960E+03 | -1918.0670E+03 | -1146.5596E+03 |
| 13.000 | -3251.8125E+03 | -1945.3838E+03 | -1163.3665E+03 |
| 14.000 | -3295.6327E+03 | -1972.3237E+03 | -1179.9349E+03 |
| 15.000 | -3338.8800E+03 | -1998.9020E+03 | -1196.2747E+03 |
| 16.000 | -3381.5763E+03 | -2025.1327E+03 | -1212.3951E+03 |
| 17.000 | -3423.7421E+03 | -2051.0291E+03 | -1228.3045E+03 |
| 18.000 | -3465.3965E+03 | -2076.6035E+03 | -1244.0107E+03 |
| 19.000 | -3506.5575E+03 | -2101.8674E+03 | -1259.5204E+03 |
| 20.000 | -3547.2413E+03 | -2126.8295E+03 | -1274.8385E+03 |
| 21.000 | -3587.4621E+03 | -2151.4978E+03 | -1289.9658E+03 |
| 22.000 | -3627.2299E+03 | -2175.8728E+03 | -1304.8935E+03 |
| 23.000 | -3666.5453E+03 | -2199.9402E+03 | -1319.5882E+03 |
| 24.000 | -3705.3856E+03 | -2223.6480E+03 | -1333.9555E+03 |
| 25.000 | -3743.6692E+03 | -2246.8492E+03 | -1347.7605E+03 |

TABLE 37

| G FUNCTION | | | |
|------------|----------------|---------------------|------------------------|
| | RANGES | US FROM -25.0 TO .0 | UB FROM -22.0 TO -20.0 |
| UB= | -22.0 | -21.0 | -20.0 |
| US | | | |
| -25.000 | 4774.4925E+02 | 5097.9879E+02 | 5246.7602E+02 |
| -24.000 | 2480.5101E+02 | 2895.8758E+02 | 3092.0861E+02 |
| -23.000 | 9866.5960E+01 | 1504.5052E+02 | 1756.4376E+02 |
| -22.000 | .0000E-99 | 5984.3913E+01 | 9125.2872E+01 |
| -21.000 | -6980.8483E+01 | .0000E-99 | 3629.7186E+01 |
| -20.000 | -1247.7179E+02 | -4234.0993E+01 | .0000E-99 |
| -19.000 | -1686.2200E+02 | -7567.7929E+01 | -2568.1123E+01 |
| -18.000 | -2052.1973E+02 | -1022.7443E+02 | -4590.0000E+01 |
| -17.000 | -2368.7563E+02 | -1244.7208E+02 | -6000.0000E+01 |
| -16.000 | -2650.0909E+02 | -1436.7235E+02 | -7500.0000E+01 |
| -15.000 | -2905.2190E+02 | -1607.3616E+02 | -8714.1700E+01 |
| -14.000 | -3140.0918E+02 | -1762.1046E+02 | -9749.1427E+01 |
| -13.000 | -3358.7931E+02 | -1904.5621E+02 | -1068.7706E+02 |
| -12.000 | -3564.2316E+02 | -2037.2111E+02 | -1155.1754E+02 |
| -11.000 | -3758.5503E+02 | -2161.8158E+02 | -1235.6311E+02 |
| -10.000 | -3943.3762E+02 | -2279.6761E+02 | -1311.2076E+02 |
| -9.000 | -4119.9764E+02 | -2391.7787E+02 | -1382.6934E+02 |
| -8.000 | -4289.3596E+02 | -2498.8921E+02 | -1450.6870E+02 |
| -7.000 | -4452.3442E+02 | -2601.6282E+02 | -1515.6545E+02 |
| -6.000 | -4609.6047E+02 | -2700.4833E+02 | -1577.9671E+02 |
| -5.000 | -4761.7049E+02 | -2795.8666E+02 | -1637.9257E+02 |
| -4.000 | -4909.1217E+02 | -2888.1200E+02 | -1695.7786E+02 |
| -3.000 | -5052.2628E+02 | -2977.5328E+02 | -1751.7331E+02 |
| -2.000 | -5191.4800E+02 | -3064.3523E+02 | -1805.9647E+02 |
| -1.000 | -5327.0793E+02 | -3148.7918E+02 | -1858.6233E+02 |
| .000 | -5459.3289E+02 | -3231.0369E+02 | -1909.8384E+02 |

TABLE 38

| G FUNCTION | | | |
|---------------------------|----------------|----------------|----------------|
| RANGES US FROM .0 TO 25.0 | | | |
| UB FROM -22.0 TO -20.0 | | | |
| UB- | -22.0 | -21.0 | -20.0 |
| US | | | |
| .000 | -5459.3289E+02 | -3231.0369E+02 | -1909.8384E+02 |
| 1.000 | -5588.4655E+02 | -3311.2503E+02 | -1959.7226E+02 |
| 2.000 | -5714.6990E+02 | -3389.5756E+02 | -2008.3745E+02 |
| 3.000 | -5838.2168E+02 | -3466.1401E+02 | -2055.8812E+02 |
| 4.000 | -5959.1871E+02 | -3541.0574E+02 | -2102.3199E+02 |
| 5.000 | -6077.7612E+02 | -3614.4296E+02 | -2147.7596E+02 |
| 6.000 | -6194.0761E+02 | -3686.3484E+02 | -2192.2620E+02 |
| 7.000 | -6308.2563E+02 | -3756.8970E+02 | -2235.8829E+02 |
| 8.000 | -6420.4151E+02 | -3826.1507E+02 | -2278.6727E+02 |
| 9.000 | -6530.6562E+02 | -3894.1784E+02 | -2320.6772E+02 |
| 10.000 | -6639.0748E+02 | -3961.0430E+02 | -2361.9381E+02 |
| 11.000 | -6745.7583E+02 | -4026.8021E+02 | -2402.4935E+02 |
| 12.000 | -6850.7875E+02 | -4091.5088E+02 | -2442.3783E+02 |
| 13.000 | -6954.2370E+02 | -4155.2120E+02 | -2481.6246E+02 |
| 14.000 | -7056.1758E+02 | -4217.9568E+02 | -2520.2617E+02 |
| 15.000 | -7156.6679E+02 | -4279.7846E+02 | -2558.3162E+02 |
| 16.000 | -7255.7724E+02 | -4340.7330E+02 | -2595.8112E+02 |
| 17.000 | -7353.5430E+02 | -4400.8347E+02 | -2632.7641E+02 |
| 18.000 | -7450.0264E+02 | -4460.1141E+02 | -2669.1809E+02 |
| 19.000 | -7545.2570E+02 | -4518.5783E+02 | -2705.0401E+02 |
| 20.000 | -7639.2430E+02 | -4576.1928E+02 | -2740.2529E+02 |
| 21.000 | -7731.9288E+02 | -4632.8196E+02 | -2774.5658E+02 |
| 22.000 | -7823.1000E+02 | -4688.0668E+02 | -2807.3545E+02 |
| 23.000 | -7912.1492E+02 | -4740.9657E+02 | -2837.3323E+02 |
| 24.000 | -7997.5697E+02 | -4789.4968E+02 | -2862.5935E+02 |
| 25.000 | -8076.1875E+02 | -4830.6018E+02 | -2881.6645E+02 |

TABLE 39

| G FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -19.0 TO -17.0 | | | |
| UB= | -19.0 | -18.0 | -17.0 |
| US | | | |
| -25.000 | 5313.6838E+02 | 5343.3143E+02 | 5356.3208E+02 |
| -24.000 | 3182.3208E+02 | 3222.9120E+02 | 3240.8838E+02 |
| -23.000 | 1875.4449E+02 | 1930.1751E+02 | 1954.7949E+02 |
| -22.000 | 1065.3332E+02 | 1137.5148E+02 | 1170.7104E+02 |
| -21.000 | 5534.7666E+01 | 6461.5733E+01 | 6899.3773E+01 |
| -20.000 | 2201.5353E+01 | 3357.0056E+01 | 3919.1425E+01 |
| -19.000 | .0000E-99 | 1335.2987E+01 | 2036.1271E+01 |
| -18.000 | -1557.6389E+01 | .0000E-99 | 8098.9990E-00 |
| -17.000 | -2784.0363E+01 | -9447.5526E-00 | .0000E-99 |
| -16.000 | -3762.4668E+01 | -1688.6028E+01 | -5730.2326E-00 |
| -15.000 | -4579.0728E+01 | -2282.0509E+01 | -1024.1895E+01 |
| -14.000 | -5285.4115E+01 | -2777.3474E+01 | -1384.1340E+01 |
| -13.000 | -5913.1540E+01 | -3205.7634E+01 | -1684.5465E+01 |
| -12.000 | -6482.4217E+01 | -3586.5085E+01 | -1944.3940E+01 |
| -11.000 | -7006.4938E+01 | -3931.7868E+01 | -2175.3275E+01 |
| -10.000 | -7494.4824E+01 | -4249.6526E+01 | -2384.7494E+01 |
| -9.000 | -7952.8776E+01 | -4545.6327E+01 | -2577.5447E+01 |
| -8.000 | -8386.4614E+01 | -4823.6634E+01 | -2757.0656E+01 |
| -7.000 | -8798.8638E+01 | -5086.6453E+01 | -2925.6997E+01 |
| -6.000 | -9192.9122E+01 | -5336.7800E+01 | -3085.2062E+01 |
| -5.000 | -9570.8573E+01 | -5575.7824E+01 | -3236.9206E+01 |
| -4.000 | -9934.5251E+01 | -5805.0177E+01 | -3381.8829E+01 |
| -3.000 | -1028.5420E+02 | -6025.5934E+01 | -3520.9211E+01 |
| -2.000 | -1062.4801E+02 | -6238.4223E+01 | -3654.7070E+01 |
| -1.000 | -1095.3732E+02 | -6444.2675E+01 | -3783.7943E+01 |
| .000 | -1127.3123E+02 | -6643.7745E+01 | -3908.6457E+01 |

TABLE 40

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -19.0 TO | -17.0 |
| UB= | -19.0 | -18.0 | -17.0 |
| US | | | |
| .000 | -1127.3123E+02 | -6643.7745E+01 | -3908.6457E+01 |
| 1.000 | -1158.3758E+02 | -6837.4950E+01 | -4029.6528E+01 |
| 2.000 | -1188.6321E+02 | -7025.9050E+01 | -4147.1502E+01 |
| 3.000 | -1218.1409E+02 | -7209.4187E+01 | -4261.4266E+01 |
| 4.000 | -1246.9551E+02 | -7388.3991E+01 | -4372.7333E+01 |
| 5.000 | -1275.1216E+02 | -7563.1664E+01 | -4481.2904E+01 |
| 6.000 | -1302.6821E+02 | -7734.0049E+01 | -4587.2921E+01 |
| 7.000 | -1329.6742E+02 | -7901.1681E+01 | -4690.9108E+01 |
| 8.000 | -1356.1316E+02 | -8064.8835E+01 | -4792.3002E+01 |
| 9.000 | -1382.0849E+02 | -8225.3559E+01 | -4891.5982E+01 |
| 10.000 | -1407.5619E+02 | -8382.7704E+01 | -4988.9286E+01 |
| 11.000 | -1432.5878E+02 | -8537.2949E+01 | -5084.4029E+01 |
| 12.000 | -1457.1856E+02 | -8689.0812E+01 | -5178.1205E+01 |
| 13.000 | -1481.3764E+02 | -8838.2656E+01 | -5270.1674E+01 |
| 14.000 | -1505.1791E+02 | -8984.9665E+01 | -5360.6108E+01 |
| 15.000 | -1528.6101E+02 | -9129.2752E+01 | -5449.4821E+01 |
| 16.000 | -1551.6820E+02 | -9271.2308E+01 | -5536.7332E+01 |
| 17.000 | -1574.3996E+02 | -9410.7531E+01 | -5622.1239E+01 |
| 18.000 | -1596.7498E+02 | -9547.4715E+01 | -5704.9559E+01 |
| 19.000 | -1618.6752E+02 | -9680.3159E+01 | -5783.5336E+01 |
| 20.000 | -1640.0114E+02 | -9806.6752E+01 | -5854.5009E+01 |
| 21.000 | -1660.3551E+02 | -9921.3040E+01 | -5913.2658E+01 |
| 22.000 | -1678.8854E+02 | -1001.6815E+02 | -5956.8402E+01 |
| 23.000 | -1694.4154E+02 | -1008.8081E+02 | -5986.2052E+01 |
| 24.000 | -1706.0728E+02 | -1013.6315E+02 | -6004.8726E+01 |
| 25.000 | -1713.9960E+02 | -1016.7045E+02 | -6016.4129E+01 |

TABLE 41

| G FUNCTION | | | |
|----------------------------|----------------|----------------|----------------|
| RANGES US FROM -25.0 TO .0 | | | |
| UB FROM -16.0 TO -14.0 | | | |
| UB= | -16.0 | -15.0 | -14.0 |
| US | | | |
| -25.000 | 5362.0275E+02 | 5364.5529E+02 | 5365.6905E+02 |
| -24.000 | 3248.7727E+02 | 3252.2341E+02 | 3253.7656E+02 |
| -23.000 | 1965.6954E+02 | 1970.4803E+02 | 1972.5796E+02 |
| -22.000 | 1185.6431E+02 | 1192.2546E+02 | 1195.1567E+02 |
| -21.000 | 7100.7180E+01 | 7191.2894E+01 | 7231.3897E+01 |
| -20.000 | 4184.6835E+01 | 4306.8032E+01 | 4361.7373E+01 |
| -19.000 | 2377.0798E+01 | 2538.1389E+01 | 2612.2080E+01 |
| -18.000 | 1234.9733E+01 | 1441.7719E+01 | 1539.4590E+01 |
| -17.000 | 4912.2896E-00 | 7490.4932E-00 | 8744.7883E-00 |
| -16.000 | .0000E-99 | 2979.4552E-00 | 4543.2133E-00 |
| -15.000 | -3475.5616E-00 | .0000E-99 | 1807.1304E-00 |
| -14.000 | -6212.0241E-00 | -2108.0352E-00 | .0000E-99 |
| -13.000 | -8395.1977E-00 | -3767.7836E-00 | -1278.5873E-00 |
| -12.000 | -1021.7292E+01 | -5091.9454E-00 | -2285.2756E-00 |
| -11.000 | -1179.3346E+01 | -6197.1014E-00 | -3088.4203E-00 |
| -10.000 | -1319.4028E+01 | -7153.0268E-00 | -3758.7313E-00 |
| -9.000 | -1446.4236E+01 | -8002.5838E-00 | -4338.5294E-00 |
| -8.000 | -1563.3599E+01 | -8773.0039E-00 | -4853.8118E-00 |
| -7.000 | -1672.2448E+01 | -9482.2585E-00 | -5321.0952E-00 |
| -6.000 | -1774.5265E+01 | -1014.2679E+01 | -5751.2798E-00 |
| -5.000 | -1871.2721E+01 | -1076.3049E+01 | -6151.8453E-00 |
| -4.000 | -1963.2915E+01 | -1134.9840E+01 | -6528.1190E-00 |
| -3.000 | -2051.2155E+01 | -1190.7966E+01 | -6884.0263E-00 |
| -2.000 | -2135.5464E+01 | -1244.1252E+01 | -7222.5469E-00 |
| -1.000 | -2216.6916E+01 | -1295.2745E+01 | -7546.0015E-00 |
| .000 | -2294.9870E+01 | -1344.4915E+01 | -7856.2378E-00 |

TABLE 42

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -16.0 TO | -14.0 |
| UB= | -16.0 | -15.0 | -14.0 |
| US | | | |
| .000 | -2294.9870E+01 | -1344.4915E+01 | -7856.2378E-00 |
| 1.000 | -2370.7132E+01 | -1391.9800E+01 | -8154.7545E-00 |
| 2.000 | -2444.1077E+01 | -1437.9102E+01 | -8442.7872E-00 |
| 3.000 | -2515.3734E+01 | -1482.4262E+01 | -8721.3684E-00 |
| 4.000 | -2584.6855E+01 | -1525.6510E+01 | -8991.3715E-00 |
| 5.000 | -2652.1964E+01 | -1567.6909E+01 | -9253.5431E-00 |
| 6.000 | -2718.0395E+01 | -1608.6382E+01 | -9508.5269E-00 |
| 7.000 | -2782.3327E+01 | -1648.5739E+01 | -9756.8821E-00 |
| 8.000 | -2845.1803E+01 | -1687.5692E+01 | -9999.0966E-00 |
| 9.000 | -2906.6754E+01 | -1725.6871E+01 | -1023.5595E+01 |
| 10.000 | -2966.9010E+01 | -1762.9829E+01 | -1046.6740E+01 |
| 11.000 | -3025.9306E+01 | -1799.5041E+01 | -1069.2820E+01 |
| 12.000 | -3083.8278E+01 | -1835.2884E+01 | -1091.4000E+01 |
| 13.000 | -3140.6424E+01 | -1870.3561E+01 | -1113.0197E+01 |
| 14.000 | -3196.3997E+01 | -1904.6913E+01 | -1134.0753E+01 |
| 15.000 | -3251.0714E+01 | -1938.1928E+01 | -1154.3684E+01 |
| 16.000 | -3304.5017E+01 | -1970.5600E+01 | -1173.4261E+01 |
| 17.000 | -3356.2333E+01 | -2001.0713E+01 | -1190.3620E+01 |
| 18.000 | -3405.1619E+01 | -2028.3471E+01 | -1204.0060E+01 |
| 19.000 | -3449.1371E+01 | -2050.6221E+01 | -1214.0546E+01 |
| 20.000 | -3485.3087E+01 | -2066.9189E+01 | -1220.6816E+01 |
| 21.000 | -3511.9549E+01 | -2077.8033E+01 | -1224.8660E+01 |
| 22.000 | -3529.8326E+01 | -2084.6916E+01 | -1227.4455E+01 |
| 23.000 | -3541.1722E+01 | -2088.9420E+01 | -1229.0199E+01 |
| 24.000 | -3548.1758E+01 | -2091.5373E+01 | -1229.9771E+01 |
| 25.000 | -3552.4537E+01 | -2093.1154E+01 | -1230.5582E+01 |

TABLE 43

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | -13.0 TO | -11.0 |
| UB= | -13.0 | -12.0 | -11.0 |
| US | | | |
| -25.000 | 5366.2173E+02 | 5366.4701E+02 | 5366.5966E+02 |
| -24.000 | 3254.4556E+02 | 3254.7752E+02 | 3254.9287E+02 |
| -23.000 | 1973.5085E+02 | 1973.9271E+02 | 1974.1210E+02 |
| -22.000 | 1196.4300E+02 | 1196.9934E+02 | 1197.2474E+02 |
| -21.000 | 7248.9921E+01 | 7256.7153E+01 | 7260.1328E+01 |
| -20.000 | 4386.0595E+01 | 4396.7359E+01 | 4401.4201E+01 |
| -19.000 | 2645.5274E+01 | 2660.2795E+01 | 2666.7550E+01 |
| -18.000 | 1584.3843E+01 | 1604.5934E+01 | 1613.5410E+01 |
| -17.000 | 9337.2910E-00 | 9609.7766E-00 | 9732.3514E-00 |
| -16.000 | 5303.9820E-00 | 5663.3533E-00 | 5828.6241E-00 |
| -15.000 | 2755.5977E-00 | 3217.0276E-00 | 3434.9972E-00 |
| -14.000 | 1096.0797E-00 | 1671.3545E-00 | 1951.2258E-00 |
| -13.000 | .0000E-99 | 6648.0606E-01 | 1013.7277E-00 |
| -12.000 | -7755.0240E-01 | .0000E-99 | 4032.2526E-01 |
| -11.000 | -1386.0896E-00 | -4703.6623E-01 | .0000E-99 |
| -10.000 | -1873.2214E-00 | -8407.0616E-01 | -2852.9134E-01 |
| -9.000 | -2279.7855E-00 | -1136.1666E-00 | -5099.1385E-01 |
| -8.000 | -2631.4508E-00 | -1382.7602E-00 | -6891.1965E-01 |
| -7.000 | -2943.9854E-00 | -1596.0560E-00 | -8386.8624E-01 |
| -6.000 | -3227.4071E-00 | -1785.6178E-00 | -9680.5668E-01 |
| -5.000 | -3488.3273E-00 | -1957.5217E-00 | -1083.0317E-00 |
| -4.000 | -3731.2825E-00 | -2115.7778E-00 | -1187.2967E-00 |
| -3.000 | -3959.5040E-00 | -2263.1376E-00 | -1283.2838E-00 |
| -2.000 | -4175.3726E-00 | -2401.5609E-00 | -1372.6620E-00 |
| -1.000 | -4380.6957E-00 | -2532.4918E-00 | -1456.6199E-00 |
| .000 | -4576.8808E-00 | -2657.0265E-00 | -1536.0335E-00 |

TABLE 44

| G FUNCTION | | | |
|---------------------------|----------------|----------------|----------------|
| RANGES US FROM .0 TO 25.0 | | | |
| UB FROM -13.0 TO -11.0 | | | |
| UB= | -13.0 | -12.0 | -11.0 |
| US | | | |
| .000 | -4576.8808E-00 | -2657.0265E-00 | -1536.0335E-00 |
| 1.000 | -4765.0485E-00 | -2776.0187E-00 | -1611.5675E-00 |
| 2.000 | -4946.1079E-00 | -2890.1481E-00 | -1683.7397E-00 |
| 3.000 | -5120.8084E-00 | -2999.9659E-00 | -1752.9621E-00 |
| 4.000 | -5289.7760E-00 | -3105.9264E-00 | -1819.5687E-00 |
| 5.000 | -5453.5402E-00 | -3208.4088E-00 | -1883.8340E-00 |
| 6.000 | -5612.5530E-00 | -3307.7328E-00 | -1945.9854E-00 |
| 7.000 | -5767.2028E-00 | -3404.1689E-00 | -2006.2103E-00 |
| 8.000 | -5917.8237E-00 | -3497.9435E-00 | -2064.6566E-00 |
| 9.000 | -6064.6985E-00 | -3589.2364E-00 | -2121.4212E-00 |
| 10.000 | -6208.0520E-00 | -3678.1612E-00 | -2176.5122E-00 |
| 11.000 | -6348.0204E-00 | -3764.7087E-00 | -2229.7509E-00 |
| 12.000 | -6484.5661E-00 | -3848.6017E-00 | -2280.5536E-00 |
| 13.000 | -6617.2615E-00 | -3928.9661E-00 | -2327.5586E-00 |
| 14.000 | -6744.7927E-00 | -4003.7473E-00 | -2368.4064E-00 |
| 15.000 | -6864.0481E-00 | -4069.2781E-00 | -2400.6105E-00 |
| 16.000 | -6969.3283E-00 | -4121.4590E-00 | -2423.4479E-00 |
| 17.000 | -7053.9291E-00 | -4158.7758E-00 | -2438.4078E-00 |
| 18.000 | -7114.9157E-00 | -4183.3442E-00 | -2447.7879E-00 |
| 19.000 | -7155.2654E-00 | -4198.7854E-00 | -2453.5537E-00 |
| 20.000 | -7180.6844E-00 | -4208.2861E-00 | -2457.0691E-00 |
| 21.000 | -7196.3392E-00 | -4214.0808E-00 | -2459.2055E-00 |
| 22.000 | -7205.8909E-00 | -4217.6029E-00 | -2460.5023E-00 |
| 23.000 | -7211.6975E-00 | -4219.7409E-00 | -2461.2890E-00 |
| 24.000 | -7215.2224E-00 | -4221.0380E-00 | -2461.7662E-00 |
| 25.000 | -7217.3610E-00 | -4221.8248E-00 | -2462.0556E-00 |

TABLE 45

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | -25.0 TO .0 |
| | | UB FROM | -10.0 TO -8.0 |
| UB= | -10.0 | -9.0 | -8.0 |
| US | | | |
| -25.000 | 5366.6622E+02 | 5366.6978E+02 | 5366.7176E+02 |
| -24.000 | 3255.0052E+02 | 3255.0452E+02 | 3255.0667E+02 |
| -23.000 | 1974.2140E+02 | 1974.2605E+02 | 1974.2846E+02 |
| -22.000 | 1197.3649E+02 | 1197.4213E+02 | 1197.4495E+02 |
| -21.000 | 7261.6726E+01 | 7262.3856E+01 | 7262.7279E+01 |
| -20.000 | 4403.4930E+01 | 4404.4269E+01 | 4404.8595E+01 |
| -19.000 | 2669.5962E+01 | 2670.8534E+01 | 2671.4199E+01 |
| -18.000 | 1617.4687E+01 | 1619.1919E+01 | 1619.9545E+01 |
| -17.000 | 9786.6218E-00 | 9810.4437E-00 | 9820.8960E-00 |
| -16.000 | 5902.9698E-00 | 5935.8861E-00 | 5950.3350E-00 |
| -15.000 | 3535.2393E-00 | 3580.3319E-00 | 3600.2968E-00 |
| -14.000 | 2083.4312E-00 | 2144.2308E-00 | 2171.5811E-00 |
| -13.000 | 1183.4784E-00 | 1263.6648E-00 | 1300.5418E-00 |
| -12.000 | 6148.5713E-01 | 7178.1591E-01 | 7664.5153E-01 |
| -11.000 | 2445.6860E-01 | 3729.2961E-01 | 4353.7736E-01 |
| -10.000 | .0000E-99 | 1483.3826E-01 | 2261.9325E-01 |
| -9.000 | -1730.3809E-01 | .0000E-99 | 8997.1723E-02 |
| -8.000 | -3092.7853E-01 | -1049.5284E-01 | .0000E-99 |
| -7.000 | -4179.7234E-01 | -1875.8684E-01 | -6365.7120E-02 |
| -6.000 | -5086.8907E-01 | -2535.1296E-01 | -1137.7717E-01 |
| -5.000 | -5871.5620E-01 | -3085.3543E-01 | -1537.6337E-01 |
| -4.000 | -6568.9209E-01 | -3561.2814E-01 | -1871.3617E-01 |
| -3.000 | -7201.3202E-01 | -3984.2508E-01 | -2160.0258E-01 |
| -2.000 | -7783.5116E-01 | -4367.8200E-01 | -2416.5690E-01 |
| -1.000 | -8325.6176E-01 | -4720.9363E-01 | -2649.2141E-01 |
| .000 | -8834.8478E-01 | -5049.7388E-01 | -2863.3870E-01 |

TABLE 46

| G FUNCTION | | | |
|------------|----------------|--------------------|-----------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM -10.0 TO -8.0 |
| UB= | -10.0 | -9.0 | -8.0 |
| US | | | |
| .000 | -3834.8478E-01 | -5049.7388E-01 | -2863.3870E-01 |
| 1.000 | -9316.5139E-01 | -5358.5992E-01 | -3062.8092E-01 |
| 2.000 | -9774.6471E-01 | -5650.7369E-01 | -3250.1278E-01 |
| 3.000 | -1021.2384E-00 | -5928.5910E-01 | -3427.2843E-01 |
| 4.000 | -1063.2217E-00 | -6194.0500E-01 | -3595.7319E-01 |
| 5.000 | -1103.6152E-00 | -6448.5006E-01 | -3756.5527E-01 |
| 6.000 | -1142.5807E-00 | -6693.3453E-01 | -3910.4893E-01 |
| 7.000 | -1180.2446E-00 | -6929.0882E-01 | -4057.8598E-01 |
| 8.000 | -1216.6919E-00 | -7156.0790E-01 | -4198.2652E-01 |
| 9.000 | -1251.9413E-00 | -7373.6200E-01 | -4329.9435E-01 |
| 10.000 | -1285.8794E-00 | -7579.0832E-01 | -4448.8640E-01 |
| 11.000 | -1318.1150E-00 | -7766.4299E-01 | -4548.8420E-01 |
| 12.000 | -1347.7425E-00 | -7925.9442E-01 | -4624.8583E-01 |
| 13.000 | -1373.2454E-00 | -8048.8534E-01 | -4677.2602E-01 |
| 14.000 | -1393.1335E-00 | -8134.4321E-01 | -4711.0412E-01 |
| 15.000 | -1407.1122E-00 | -8189.9044E-01 | -4732.0694E-01 |
| 16.000 | -1416.2217E-00 | -8224.5198E-01 | -4744.9576E-01 |
| 17.000 | -1421.9199E-00 | -8245.7563E-01 | -4752.8067E-01 |
| 18.000 | -1425.4191E-00 | -8258.6945E-01 | -4757.5750E-01 |
| 19.000 | -1427.5517E-00 | -8266.5554E-01 | -4760.4688E-01 |
| 20.000 | -1428.8476E-00 | -8271.3264E-01 | -4762.2244E-01 |
| 21.000 | -1429.6341E-00 | -8274.2209E-01 | -4763.2893E-01 |
| 22.000 | -1430.1113E-00 | -8275.9766E-01 | -4763.9352E-01 |
| 23.000 | -1430.4007E-00 | -8277.0415E-01 | -4764.3269E-01 |
| 24.000 | -1430.5762E-00 | -8277.6874E-01 | -4764.5645E-01 |
| 25.000 | -1430.6826E-00 | -8278.0791E-01 | -4764.7086E-01 |

TABLE 47

| G FUNCTION | | | |
|------------|----------------|----------------------|----------------|
| | RANGES | US FROM -25.0 TO .0 | |
| | | UB FROM -7.0 TO -5.0 | |
| UB= | -7.0 | -6.0 | -5.0 |
| US | | | |
| -25.000 | 5366.7289E+02 | 5366.7356E+02 | 5366.7394E+02 |
| -24.000 | 3255.0787E+02 | 3255.0855E+02 | 3255.0895E+02 |
| -23.000 | 1974.2977E+02 | 1974.3049E+02 | 1974.3091E+02 |
| -22.000 | 1197.4642E+02 | 1197.4720E+02 | 1197.4765E+02 |
| -21.000 | 7262.8988E+01 | 7262.9875E+01 | 7263.0357E+01 |
| -20.000 | 4405.0670E+01 | 4405.1705E+01 | 4405.2245E+01 |
| -19.000 | 2671.6823E+01 | 2671.8080E+01 | 2671.8709E+01 |
| -18.000 | 1620.2981E+01 | 1620.4571E+01 | 1620.5334E+01 |
| -17.000 | 9825.5212E-00 | 9827.6046E-00 | 9828.5688E-00 |
| -16.000 | 5956.6746E-00 | 5959.4796E-00 | 5960.7425E-00 |
| -15.000 | 3609.0605E-00 | 3612.9054E-00 | 3614.6059E-00 |
| -14.000 | 2183.6904E-00 | 2189.0056E-00 | 2191.3368E-00 |
| -13.000 | 1317.1305E-00 | 1324.4749E-00 | 1327.6979E-00 |
| -12.000 | 7888.1847E-01 | 7988.7982E-01 | 8033.3367E-01 |
| -11.000 | 4648.7631E-01 | 4784.4237E-01 | 4845.4414E-01 |
| -10.000 | 2640.6969E-01 | 2819.6155E-01 | 2901.8908E-01 |
| -9.000 | 1371.9313E-01 | 1601.6621E-01 | 1710.1754E-01 |
| -8.000 | 5457.0616E-02 | 8321.1721E-02 | 9714.5063E-02 |
| -7.000 | .0000E-99 | 3309.8675E-02 | 5046.9970E-02 |
| -6.000 | -3861.0030E-02 | .0000E-99 | 2007.5084E-02 |
| -5.000 | -6900.9351E-02 | -2341.8034E-02 | .0000E-99 |
| -4.000 | -9326.2167E-02 | -4185.6016E-02 | -1420.3365E-02 |
| -3.000 | -1135.0371E-01 | -5656.5873E-02 | -2538.5961E-02 |
| -2.000 | -1310.1191E-01 | -6884.2614E-02 | -3430.6970E-02 |
| -1.000 | -1465.7174E-01 | -7946.1187E-02 | -4175.1514E-02 |
| .000 | -1606.8176E-01 | -8889.7348E-02 | -4818.8909E-02 |

TABLE 48

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | US TO | 25.0 |
| | UB FROM | -7.0 | TO -5.0 |
| UB= | -7.0 | -6.0 | -5.0 |
| US | | | |
| .000 | -1606.8176E-01 | -8889.7348E-02 | -4818.8909E-02 |
| 1.000 | -1736.7067E-01 | -9745.2727E-02 | -5390.6177E-02 |
| 2.000 | -1857.6332E-01 | -1053.2497E-01 | -5908.2871E-02 |
| 3.000 | -1971.1817E-01 | -1126.4648E-01 | -6383.1297E-02 |
| 4.000 | -2078.4809E-01 | -1195.0422E-01 | -6821.4899E-02 |
| 5.000 | -2180.2959E-01 | -1259.4554E-01 | -7224.9992E-02 |
| 6.000 | -2277.0082E-01 | -1319.6945E-01 | -7589.3754E-02 |
| 7.000 | -2368.4342E-01 | -1375.0113E-01 | -7903.4836E-02 |
| 8.000 | -2453.4054E-01 | -1423.6439E-01 | -8153.5668E-02 |
| 9.000 | -2529.2397E-01 | -1463.2133E-01 | -8334.3634E-02 |
| 10.000 | -2592.0507E-01 | -1492.3655E-01 | -8454.8196E-02 |
| 11.000 | -2639.1041E-01 | -1512.0251E-01 | -8531.1254E-02 |
| 12.000 | -2671.1975E-01 | -1524.5540E-01 | -8578.2686E-02 |
| 13.000 | -2691.7699E-01 | -1532.3142E-01 | -8607.0772E-02 |
| 14.000 | -2704.5442E-01 | -1537.0611E-01 | -8624.6025E-02 |
| 15.000 | -2712.3659E-01 | -1539.9499E-01 | -8635.2446E-02 |
| 16.000 | -2717.1277E-01 | -1541.7043E-01 | -8641.7023E-02 |
| 17.000 | -2720.0200E-01 | -1542.7689E-01 | -8645.6197E-02 |
| 18.000 | -2721.7752E-01 | -1543.4147E-01 | -8647.9959E-02 |
| 19.000 | -2722.8400E-01 | -1543.8064E-01 | -8649.4372E-02 |
| 20.000 | -2723.4859E-01 | -1544.0440E-01 | -8650.3114E-02 |
| 21.000 | -2723.8776E-01 | -1544.1881E-01 | -8650.8416E-02 |
| 22.000 | -2724.1152E-01 | -1544.2755E-01 | -8651.1632E-02 |
| 23.000 | -2724.2593E-01 | -1544.3285E-01 | -8651.3582E-02 |
| 24.000 | -2724.3467E-01 | -1544.3606E-01 | -8651.4765E-02 |
| 25.000 | -2724.3997E-01 | -1544.3801E-01 | -8651.5482E-02 |

TABLE 49

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | -4.0 TO | -2.0 |
| UB= | -4.0 | -3.0 | -2.0 |
| US | | | |
| -25.000 | 5366.7418E+02 | 5366.7429E+02 | 5366.7428E+02 |
| -24.000 | 3255.0919E+02 | 3255.0931E+02 | 3255.0930E+02 |
| -23.000 | 1974.3115E+02 | 1974.3128E+02 | 1974.3127E+02 |
| -22.000 | 1197.4790E+02 | 1197.4803E+02 | 1197.4802E+02 |
| -21.000 | 7263.0621E+01 | 7263.0753E+01 | 7263.0753E+01 |
| -20.000 | 4405.2532E+01 | 4405.2674E+01 | 4405.2677E+01 |
| -19.000 | 2671.9032E+01 | 2671.9188E+01 | 2671.9197E+01 |
| -18.000 | 1620.5711E+01 | 1620.5889E+01 | 1620.5906E+01 |
| -17.000 | 9829.0272E-00 | 9829.2385E-00 | 9829.2687E-00 |
| -16.000 | 5961.3232E-00 | 5961.5842E-00 | 5961.6344E-00 |
| -15.000 | 3615.3679E-00 | 3615.7031E-00 | 3615.7836E-00 |
| -14.000 | 2192.3643E-00 | 2192.8095E-00 | 2192.9354E-00 |
| -13.000 | 1329.1081E-00 | 1329.7144E-00 | 1329.9076E-00 |
| -12.000 | 8052.8485E-01 | 8061.2338E-01 | 8064.1501E-01 |
| -11.000 | 4872.4196E-01 | 4884.0897E-01 | 4888.4256E-01 |
| -10.000 | 2938.8658E-01 | 2955.0695E-01 | 2961.4136E-01 |
| -9.000 | 1760.0461E-01 | 1782.3203E-01 | 1791.4371E-01 |
| -8.000 | 1037.2385E-01 | 1067.3444E-01 | 1080.1756E-01 |
| -7.000 | 5891.8498E-02 | 6289.5878E-02 | 6465.8529E-02 |
| -6.000 | 3060.9365E-02 | 3572.2610E-02 | 3807.7770E-02 |
| -5.000 | 1217.4907E-02 | 1855.5583E-02 | 2160.7789E-02 |
| -4.000 | .0000E-99 | 7378.8690E-03 | 1121.0346E-02 |
| -3.000 | -8613.0093E-03 | .0000E-99 | 4450.7180E-03 |
| -2.000 | -1539.2886E-02 | -5216.1583E-03 | .0000E-99 |
| -1.000 | -2079.9406E-02 | -9316.2796E-03 | -3129.0441E-03 |
| .000 | -2530.7261E-02 | -1257.6233E-02 | -5563.7436E-03 |

TABLE 50

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -4.0 TO | -2.0 |
| UB= | -4.0 | -3.0 | -2.0 |
| US | | | |
| .000 | -2530.7261E-02 | -1257.6233E-02 | -5563.7436E-03 |
| 1.000 | -2919.7957E-02 | -1527.7540E-02 | -7460.8101E-03 |
| 2.000 | -3263.8901E-02 | -1757.8345E-02 | -8972.0047E-03 |
| 3.000 | -3572.4837E-02 | -1955.6545E-02 | -1016.8126E-02 |
| 4.000 | -3849.4950E-02 | -2123.1236E-02 | -1107.8225E-02 |
| 5.000 | -4093.4986E-02 | -2258.3178E-02 | -1172.8121E-02 |
| 6.000 | -4298.2624E-02 | -2359.4887E-02 | -1216.3107E-02 |
| 7.000 | -4456.9331E-02 | -2429.2832E-02 | -1244.0770E-02 |
| 8.000 | -4569.1869E-02 | -2474.5407E-02 | -1261.3246E-02 |
| 9.000 | -4643.0095E-02 | -2502.8492E-02 | -1271.8956E-02 |
| 10.000 | -4689.4847E-02 | -2520.2479E-02 | -1278.3355E-02 |
| 11.000 | -4718.1241E-02 | -2530.8587E-02 | -1282.2486E-02 |
| 12.000 | -4735.6078E-02 | -2537.3087E-02 | -1284.6237E-02 |
| 13.000 | -4746.2398E-02 | -2541.2243E-02 | -1286.0647E-02 |
| 14.000 | -4752.6950E-02 | -2543.6001E-02 | -1286.9388E-02 |
| 15.000 | -4756.6119E-02 | -2545.0412E-02 | -1287.4690E-02 |
| 16.000 | -4758.9880E-02 | -2545.9153E-02 | -1287.7906E-02 |
| 17.000 | -4760.4292E-02 | -2546.4455E-02 | -1287.9856E-02 |
| 18.000 | -4761.3033E-02 | -2546.7671E-02 | -1288.1039E-02 |
| 19.000 | -4761.8335E-02 | -2546.9621E-02 | -1288.1756E-02 |
| 20.000 | -4762.1551E-02 | -2547.0804E-02 | -1288.2191E-02 |
| 21.000 | -4762.3501E-02 | -2547.1521E-02 | -1288.2454E-02 |
| 22.000 | -4762.4684E-02 | -2547.1956E-02 | -1288.2614E-02 |
| 23.000 | -4762.5401E-02 | -2547.2219E-02 | -1288.2711E-02 |
| 24.000 | -4762.5836E-02 | -2547.2379E-02 | -1288.2769E-02 |
| 25.000 | -4762.6099E-02 | -2547.2476E-02 | -1288.2804E-02 |

TABLE 51

| G FUNCTION | | | |
|------------|----------------|---------------------|---------------|
| | RANGES | US FROM -25.0 TO .0 | .0 |
| | | UB FROM -1.0 TO .0 | 1.0 |
| UB= | -1.0 | .0 | 1.0 |
| US | | | |
| -25.000 | 5366.7394E+02 | 5366.7250E+02 | 5366.6871E+02 |
| -24.000 | 3255.0896E+02 | 3255.0752E+02 | 3255.0373E+02 |
| -23.000 | 1974.3093E+02 | 1974.2949E+02 | 1974.2570E+02 |
| -22.000 | 1197.4768E+02 | 1197.4624E+02 | 1197.4245E+02 |
| -21.000 | 7263.0412E+01 | 7262.8969E+01 | 7262.5180E+01 |
| -20.000 | 4405.2338E+01 | 4405.0895E+01 | 4404.7107E+01 |
| -19.000 | 2671.8860E+01 | 2671.7418E+01 | 2671.3631E+01 |
| -18.000 | 1620.5573E+01 | 1620.4133E+01 | 1620.0348E+01 |
| -17.000 | 9828.9416E-00 | 9827.5037E-00 | 9823.7217E-00 |
| -16.000 | 5961.3156E-00 | 5959.8824E-00 | 5956.1054E-00 |
| -15.000 | 3615.4776E-00 | 3614.0512E-00 | 3610.2822E-00 |
| -14.000 | 2192.6487E-00 | 2191.2328E-00 | 2187.4760E-00 |
| -13.000 | 1329.6498E-00 | 1328.2498E-00 | 1324.5117E-00 |
| -12.000 | 8062.0025E-01 | 8048.2421E-01 | 8011.1473E-01 |
| -11.000 | 4886.9078E-01 | 4873.5049E-01 | 4836.8431E-01 |
| -10.000 | 2960.8051E-01 | 2947.9295E-01 | 2911.9190E-01 |
| -9.000 | 1792.1172E-01 | 1780.0091E-01 | 1744.9690E-01 |
| -8.000 | 1082.6396E-01 | 1071.6296E-01 | 1038.0179E-01 |
| -7.000 | 6514.4725E-02 | 6419.7567E-02 | 6104.3196E-02 |
| -6.000 | 3887.4961E-02 | 3813.7737E-02 | 3527.5819E-02 |
| -5.000 | 2279.1626E-02 | 2233.1652E-02 | 1986.9023E-02 |
| -4.000 | 1285.2875E-02 | 1274.4777E-02 | 1079.8410E-02 |
| -3.000 | 6611.9889E-03 | 6930.0441E-03 | 5598.6034E-03 |
| -2.000 | 2595.8449E-03 | 3403.2301E-03 | 2726.4905E-03 |
| -1.000 | .0000E-99 | 1264.1091E-03 | 1198.8275E-03 |
| .000 | -1761.6459E-03 | .0000E-99 | 4043.0926E-04 |

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | -1.0 TO | 1.0 |
| UB= | -1.0 | .0 | 1.0 |
| US | | | |
| .000 | -1761.6459E-03 | .0000E-99 | 4043.0926E-04 |
| 1.000 | -3054.6257E-03 | -7536.0536E-04 | .0000E-99 |
| 2.000 | -3969.9091E-03 | -1230.9077E-03 | -2112.0467E-04 |
| 3.000 | -4604.6445E-03 | -1520.4062E-03 | -3332.4309E-04 |
| 4.000 | -5028.8108E-03 | -1695.9959E-03 | -4028.3992E-04 |
| 5.000 | -5301.7664E-03 | -1802.4964E-03 | -4435.4460E-04 |
| 6.000 | -5472.6236E-03 | -1867.0922E-03 | -4677.5177E-04 |
| 7.000 | -5577.8445E-03 | -1906.2715E-03 | -4822.8900E-04 |
| 8.000 | -5642.1067E-03 | -1930.0349E-03 | -4910.6459E-04 |
| 9.000 | -5681.2011E-03 | -1944.4481E-03 | -4963.7575E-04 |
| 10.000 | -5704.9433E-03 | -1953.1901E-03 | -4995.9405E-04 |
| 11.000 | -5719.3513E-03 | -1958.4924E-03 | -5015.4525E-04 |
| 12.000 | -5728.0921E-03 | -1961.7084E-03 | -5027.2850E-04 |
| 13.000 | -5733.3941E-03 | -1963.6590E-03 | -5034.4613E-04 |
| 14.000 | -5736.6100E-03 | -1964.8421E-03 | -5038.8138E-04 |
| 15.000 | -5738.5606E-03 | -1965.5596E-03 | -5041.4537E-04 |
| 16.000 | -5739.7437E-03 | -1965.9948E-03 | -5043.0548E-04 |
| 17.000 | -5740.4612E-03 | -1966.2587E-03 | -5044.0259E-04 |
| 18.000 | -5740.8964E-03 | -1966.4188E-03 | -5044.6149E-04 |
| 19.000 | -5741.1603E-03 | -1966.5159E-03 | -5044.9721E-04 |
| 20.000 | -5741.3204E-03 | -1966.5748E-03 | -5045.1887E-04 |
| 21.000 | -5741.4175E-03 | -1966.6105E-03 | -5045.3201E-04 |
| 22.000 | -5741.4764E-03 | -1966.6321E-03 | -5045.3998E-04 |
| 23.000 | -5741.5121E-03 | -1966.6452E-03 | -5045.4481E-04 |
| 24.000 | -5741.5337E-03 | -1966.6531E-03 | -5045.4774E-04 |
| 25.000 | -5741.5468E-03 | -1966.6579E-03 | -5045.4951E-04 |

TABLE 53

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 2.0 TO | 4.0 |
| UB= | 2.0 | 3.0 | 4.0 |
| US | | | |
| -25.000 | 5366.6152E+02 | 5366.4885E+02 | 5366.2657E+02 |
| -24.000 | 3254.9654E+02 | 3254.8387E+02 | 3254.6159E+02 |
| -23.000 | 1974.1851E+02 | 1974.0584E+02 | 1973.8356E+02 |
| -22.000 | 1197.3526E+02 | 1197.2260E+02 | 1197.0032E+02 |
| -21.000 | 7261.7994E+01 | 7260.5332E+01 | 7258.3067E+01 |
| -20.000 | 4403.9923E+01 | 4402.7266E+01 | 4400.5016E+01 |
| -19.000 | 2670.6450E+01 | 2669.3801E+01 | 2667.1575E+01 |
| -18.000 | 1619.3172E+01 | 1618.0536E+01 | 1615.8347E+01 |
| -17.000 | 9816.5542E-00 | 9803.9386E-00 | 9781.8065E-00 |
| -16.000 | 5948.9496E-00 | 5936.3660E-00 | 5914.3252E-00 |
| -15.000 | 3603.1445E-00 | 3590.6110E-00 | 3568.7133E-00 |
| -14.000 | 2180.3663E-00 | 2167.9108E-00 | 2146.2367E-00 |
| -13.000 | 1317.4454E-00 | 1305.1110E-00 | 1283.7846E-00 |
| -12.000 | 7941.1502E-01 | 7819.6769E-01 | 7611.7980E-01 |
| -11.000 | 4767.8652E-01 | 4649.2662E-01 | 4449.6693E-01 |
| -10.000 | 2844.4894E-01 | 2730.2722E-01 | 2543.2575E-01 |
| -9.000 | 1679.8700E-01 | 1572.2506E-01 | 1403.8993E-01 |
| -8.000 | 9763.8069E-02 | 8784.7597E-02 | 7364.7662E-02 |
| -7.000 | 5538.2639E-02 | 4696.1881E-02 | 3613.5242E-02 |
| -6.000 | 3031.9158E-02 | 2367.4845E-02 | 1648.9153E-02 |
| -5.000 | 1583.1666E-02 | 1118.0018E-02 | 7091.0775E-03 |
| -4.000 | 7830.7831E-03 | 4994.4321E-03 | 2948.4619E-03 |
| -3.000 | 3685.3441E-03 | 2160.3980E-03 | 1213.6456E-03 |
| -2.000 | 1671.7786E-03 | 9256.5972E-04 | 5022.2734E-04 |
| -1.000 | 7340.4577E-04 | 3972.5579E-04 | 2105.9456E-04 |
| .000 | 3012.9451E-04 | 1693.8621E-04 | 8947.6778E-05 |

TABLE 54

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 2.0 TO | 4.0 |
| UB= | 2.0 | 3.0 | 4.0 |
| US | | | |
| .000 | 3012.9451E-04 | 1693.8621E-04 | 8947.6778E-05 |
| 1.000 | 9753.1593E-05 | 6851.0573E-05 | 3797.6202E-05 |
| 2.000 | .0000E-99 | 2201.6193E-05 | 1532.6920E-05 |
| 3.000 | -4910.2930E-05 | .0000E-99 | 4920.3020E-06 |
| 4.000 | -7693.3631E-05 | -1102.0544E-05 | .0000E-99 |
| 5.000 | -9263.5393E-05 | -1724.9252E-05 | -2460.9743E-06 |
| 6.000 | -1017.6714E-04 | -2075.8104E-05 | -3851.3588E-06 |
| 7.000 | -1071.8233E-04 | -2279.7177E-05 | -4634.4504E-06 |
| 8.000 | -1104.2982E-04 | -2400.5891E-05 | -5089.4746E-06 |
| 9.000 | -1123.8893E-04 | -2473.0620E-05 | -5359.1878E-06 |
| 10.000 | -1135.7427E-04 | -2516.7789E-05 | -5520.9002E-06 |
| 11.000 | -1142.9243E-04 | -2543.2283E-05 | -5618.4467E-06 |
| 12.000 | -1147.2781E-04 | -2559.2530E-05 | -5677.4637E-06 |
| 13.000 | -1149.9183E-04 | -2568.9678E-05 | -5713.2198E-06 |
| 14.000 | -1151.5195E-04 | -2574.8590E-05 | -5734.8966E-06 |
| 15.000 | -1152.4906E-04 | -2578.4318E-05 | -5748.0416E-06 |
| 16.000 | -1153.0796E-04 | -2580.5987E-05 | -5756.0138E-06 |
| 17.000 | -1153.4368E-04 | -2581.9130E-05 | -5760.8490E-06 |
| 18.000 | -1153.6534E-04 | -2582.7101E-05 | -5763.7816E-06 |
| 19.000 | -1153.7848E-04 | -2583.1936E-05 | -5765.5603E-06 |
| 20.000 | -1153.8645E-04 | -2583.4868E-05 | -5766.6391E-06 |
| 21.000 | -1153.9128E-04 | -2583.6646E-05 | -5767.2934E-06 |
| 22.000 | -1153.9421E-04 | -2583.7724E-05 | -5767.6902E-06 |
| 23.000 | -1153.9598E-04 | -2583.8378E-05 | -5767.9309E-06 |
| 24.000 | -1153.9705E-04 | -2583.8774E-05 | -5768.0769E-06 |
| 25.000 | -1153.9770E-04 | -2583.9014E-05 | -5768.1654E-06 |

TABLE 55

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 5.0 TO | 7.0 |
| UB= | 5.0 | 6.0 | 7.0 |
| US | | | |
| -25.000 | 5365.8747E+02 | 5365.1920E+02 | 5364.0065E+02 |
| -24.000 | 3254.2250E+02 | 3253.5425E+02 | 3252.3575E+02 |
| -23.000 | 1973.4448E+02 | 1972.7626E+02 | 1971.5785E+02 |
| -22.000 | 1196.6125E+02 | 1195.9308E+02 | 1194.7481E+02 |
| -21.000 | 7254.4021E+01 | 7247.5926E+01 | 7235.7867E+01 |
| -20.000 | 4396.6012E+01 | 4389.8036E+01 | 4378.0312E+01 |
| -19.000 | 2663.2638E+01 | 2656.4849E+01 | 2644.7658E+01 |
| -18.000 | 1611.9515E+01 | 1605.2024E+01 | 1593.5675E+01 |
| -17.000 | 9743.1410E-00 | 9676.1190E-00 | 9561.1046E-00 |
| -16.000 | 5875.9200E-00 | 5809.6397E-00 | 5696.7296E-00 |
| -15.000 | 3530.7171E-00 | 3465.6025E-00 | 3356.0016E-00 |
| -14.000 | 2108.8804E-00 | 2045.5917E-00 | 1941.1602E-00 |
| -13.000 | 1247.4257E-00 | 1186.9779E-00 | 1090.5104E-00 |
| -12.000 | 7263.6503E-01 | 6702.7972E-01 | 5857.0587E-01 |
| -11.000 | 4125.1274E-01 | 3629.3873E-01 | 2949.4579E-01 |
| -10.000 | 2253.8765E-01 | 1849.4549E-01 | 1370.9100E-01 |
| -9.000 | 1164.0532E-01 | 8726.1478E-02 | 5890.0127E-02 |
| -8.000 | 5590.1926E-02 | 3807.7738E-02 | 2390.3181E-02 |
| -7.000 | 2487.2258E-02 | 1566.5500E-02 | 9408.7683E-03 |
| -6.000 | 1042.2254E-02 | 6239.9127E-03 | 3658.8493E-03 |
| -5.000 | 4222.8029E-03 | 2454.8324E-03 | 1419.5150E-03 |
| -4.000 | 1690.6965E-03 | 9646.8624E-04 | 5521.5753E-04 |
| -3.000 | 6779.3137E-04 | 3810.4648E-04 | 2159.6523E-04 |
| -2.000 | 2744.2784E-04 | 1519.1397E-04 | 8514.0336E-05 |
| -1.000 | 1127.2917E-04 | 6134.5931E-05 | 3391.6313E-05 |
| .000 | 4711.7648E-05 | 2517.3688E-05 | 1369.1547E-05 |

TABLE 56

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| UB= | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | 5.0 TO 7.0 |
| US | 5.0 | 6.0 | 7.0 |
| .000 | 4711.7648E-05 | 2517.3688E-05 | 1369.1547E-05 |
| 1.000 | 1999.0754E-05 | 1051.7245E-05 | 5617.6269E-06 |
| 2.000 | 8479.1553E-06 | 4461.3209E-06 | 2346.8319E-06 |
| 3.000 | 3421.1167E-06 | 1892.1221E-06 | 9954.7892E-07 |
| 4.000 | 1098.1048E-06 | 7633.9106E-07 | 4221.9466E-07 |
| 5.000 | .0000E-99 | 2450.2743E-07 | 1703.3675E-07 |
| 6.000 | -5491.7670E-07 | .0000E-99 | 5467.3293E-08 |
| 7.000 | -8594.3075E-07 | -1225.3965E-07 | .0000E-99 |
| 8.000 | -1034.1669E-06 | -1917.6719E-07 | -2734.2369E-08 |
| 9.000 | -1135.6979E-06 | -2307.5625E-07 | -4278.9139E-08 |
| 10.000 | -1195.8794E-06 | -2534.1092E-07 | -5148.8779E-08 |
| 11.000 | -1231.9624E-06 | -2668.3925E-07 | -5654.3720E-08 |
| 12.000 | -1253.7280E-06 | -2748.9046E-07 | -5953.9985E-08 |
| 13.000 | -1266.8964E-06 | -2797.4702E-07 | -6133.6454E-08 |
| 14.000 | -1274.8746E-06 | -2826.8530E-07 | -6242.0099E-08 |
| 15.000 | -1279.7113E-06 | -2844.6549E-07 | -6307.5719E-08 |
| 16.000 | -1282.6443E-06 | -2855.4471E-07 | -6347.2933E-08 |
| 17.000 | -1284.4231E-06 | -2861.9916E-07 | -6371.3741E-08 |
| 18.000 | -1285.5019E-06 | -2865.9607E-07 | -6385.9769E-08 |
| 19.000 | -1286.1562E-06 | -2868.3680E-07 | -6394.8332E-08 |
| 20.000 | -1286.5530E-06 | -2869.8280E-07 | -6400.2046E-08 |
| 21.000 | -1286.7937E-06 | -2870.7135E-07 | -6403.4625E-08 |
| 22.000 | -1286.9397E-06 | -2871.2506E-07 | -6405.4385E-08 |
| 23.000 | -1287.0282E-06 | -2871.5763E-07 | -6406.6370E-08 |
| 24.000 | -1287.0819E-06 | -2871.7739E-07 | -6407.3639E-08 |
| 25.000 | -1287.1144E-06 | -2871.8937E-07 | -6407.8048E-08 |

TABLE 57

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 8.0 TO | 10.0 |
| UB= | 8.0 | 9.0 | 10.0 |
| US | | | |
| -25.000 | 5361.9585E+02 | 5358.4348E+02 | 5352.3965E+02 |
| -24.000 | 3250.3109E+02 | 3246.7914E+02 | 3240.7645E+02 |
| -23.000 | 1969.5342E+02 | 1966.0212E+02 | 1960.0127E+02 |
| -22.000 | 1192.7075E+02 | 1189.2049E+02 | 1183.2257E+02 |
| -21.000 | 7215.4398E+01 | 7180.5805E+01 | 7121.2565E+01 |
| -20.000 | 4357.7786E+01 | 4323.1850E+01 | 4264.6075E+01 |
| -19.000 | 2624.6631E+01 | 2590.4922E+01 | 2533.1028E+01 |
| -18.000 | 1573.7029E+01 | 1540.2032E+01 | 1484.6979E+01 |
| -17.000 | 9366.2284E-00 | 9041.8498E-00 | 8516.4618E-00 |
| -16.000 | 5507.8018E-00 | 5200.1058E-00 | 4720.6472E-00 |
| -15.000 | 3176.3954E-00 | 2894.5007E-00 | 2483.4042E-00 |
| -14.000 | 1775.9479E-00 | 1532.5234E-00 | 1214.6072E-00 |
| -13.000 | 9467.8512E-01 | 7562.1846E-01 | 5453.7019E-01 |
| -12.000 | 4717.2836E-01 | 3430.1540E-01 | 2267.9253E-01 |
| -11.000 | 2164.3026E-01 | 1439.5445E-01 | 8967.2437E-02 |
| -10.000 | 9180.8657E-02 | 5731.6158E-02 | 3457.1661E-02 |
| -9.000 | 3686.5514E-02 | 2221.5098E-02 | 1319.3407E-02 |
| -8.000 | 1438.4803E-02 | 8517.3807E-03 | 5019.6616E-03 |
| -7.000 | 5548.5667E-03 | 3255.7501E-03 | 1910.0093E-03 |
| -6.000 | 2134.1234E-03 | 1245.1518E-03 | 7278.9242E-04 |
| -5.000 | 8218.6884E-04 | 4772.7587E-04 | 2780.4806E-04 |
| -4.000 | 3175.9448E-04 | 1835.5137E-04 | 1065.2767E-04 |
| -3.000 | 1233.3858E-04 | 7089.0970E-05 | 4096.0921E-05 |
| -2.000 | 4821.0103E-05 | 2752.4664E-05 | 1581.8701E-05 |
| -1.000 | 1900.0932E-05 | 1075.7784E-05 | 6141.7070E-06 |
| .000 | 7568.3490E-06 | 4239.7885E-06 | 2400.4060E-06 |

| G FUNCTION | | | |
|------------|----------------|--------------------|---------------------|
| | RANGES | US FROM .0 TO 25.0 | UB FROM 8.0 TO 10.0 |
| UB= | 8.0 | 9.0 | 10.0 |
| US | | | |
| .000 | 7568.3490E-06 | 4239.7885E-06 | 2400.4060E-06 |
| 1.000 | 3055.1007E-06 | 1688.7449E-06 | 9460.2792E-07 |
| 2.000 | 1253.4806E-06 | 6816.8822E-07 | 3768.1046E-07 |
| 3.000 | 5236.5254E-07 | 2796.8989E-07 | 1521.0528E-07 |
| 4.000 | 2221.2207E-07 | 1168.4277E-07 | 6240.7266E-08 |
| 5.000 | 9420.4501E-08 | 4956.2154E-08 | 2607.1150E-08 |
| 6.000 | 3800.7291E-08 | 2101.9867E-08 | 1105.8812E-08 |
| 7.000 | 1219.9256E-08 | 8480.5729E-09 | 4690.1675E-09 |
| 8.000 | .0000E-99 | 2722.0219E-09 | 1892.2720E-09 |
| 9.000 | -6100.9046E-09 | .0000E-99 | 6073.6540E-10 |
| 10.000 | -9547.5452E-09 | -1361.2955E-09 | .0000E-99 |
| 11.000 | -1148.8697E-08 | -2130.3450E-09 | -3037.4636E-10 |
| 12.000 | -1261.6606E-08 | -2563.4746E-09 | -4753.4450E-10 |
| 13.000 | -1328.5163E-08 | -2815.1453E-09 | -5719.8879E-10 |
| 14.000 | -1368.6009E-08 | -2964.3205E-09 | -6281.4412E-10 |
| 15.000 | -1392.7803E-08 | -3053.7614E-09 | -6614.2962E-10 |
| 16.000 | -1407.4091E-08 | -3107.7129E-09 | -6813.8659E-10 |
| 17.000 | -1416.2721E-08 | -3140.3543E-09 | -6934.2480E-10 |
| 18.000 | -1421.6452E-08 | -3160.1304E-09 | -7007.0808E-10 |
| 19.000 | -1424.9035E-08 | -3172.1195E-09 | -7051.2073E-10 |
| 20.000 | -1426.8796E-08 | -3179.3898E-09 | -7077.9586E-10 |
| 21.000 | -1428.0781E-08 | -3183.7991E-09 | -7094.1808E-10 |
| 22.000 | -1428.8050E-08 | -3186.4733E-09 | -7104.0192E-10 |
| 23.000 | -1429.2459E-08 | -3188.0953E-09 | -7109.9863E-10 |
| 24.000 | -1429.5133E-08 | -3189.0790E-09 | -7113.6055E-10 |
| 25.000 | -1429.6755E-08 | -3189.6757E-09 | -7115.8006E-10 |

TABLE 59

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 11.0 TO | 13.0 |
| UB= | 11.0 | 12.0 | 13.0 |
| US | | | |
| -25.000 | 5342.0875E+02 | 5324.5552E+02 | 5294.8682E+02 |
| -24.000 | 3230.4876E+02 | 3213.0449E+02 | 3183.6082E+02 |
| -23.000 | 1949.7871E+02 | 1932.4881E+02 | 1903.4527E+02 |
| -22.000 | 1173.0823E+02 | 1156.0132E+02 | 1127.6199E+02 |
| -21.000 | 7021.1352E+01 | 6854.1176E+01 | 6580.4222E+01 |
| -20.000 | 4166.5796E+01 | 4005.4093E+01 | 3747.9003E+01 |
| -19.000 | 2438.4016E+01 | 2286.4657E+01 | 2054.0410E+01 |
| -18.000 | 1395.2432E+01 | 1257.6177E+01 | 1062.2504E+01 |
| -17.000 | 7703.1937E-00 | 6538.9372E-00 | 5077.7624E-00 |
| -16.000 | 4028.0917E-00 | 3148.0032E-00 | 2223.9954E-00 |
| -15.000 | 1954.0281E-00 | 1389.1629E-00 | 9056.6626E-01 |
| -14.000 | 8694.1662E-01 | 5691.7210E-01 | 3527.6393E-01 |
| -13.000 | 3586.9606E-01 | 2226.4024E-01 | 1345.2181E-01 |
| -12.000 | 1410.0385E-01 | 8515.8340E-02 | 5086.4953E-02 |
| -11.000 | 5412.6941E-02 | 3228.0747E-02 | 1917.9496E-02 |
| -10.000 | 2057.9818E-02 | 1220.1307E-02 | 7229.0033E-03 |
| -9.000 | 7801.4595E-03 | 4610.3597E-03 | 2726.3097E-03 |
| -8.000 | 2956.9499E-03 | 1743.4505E-03 | 1029.2703E-03 |
| -7.000 | 1121.9888E-03 | 6601.8437E-04 | 3890.9852E-04 |
| -6.000 | 4264.7159E-04 | 2504.0871E-04 | 1473.1913E-04 |
| -5.000 | 1624.5831E-04 | 9516.7473E-05 | 5587.5525E-05 |
| -4.000 | 6204.7479E-05 | 3625.0670E-05 | 2123.4999E-05 |
| -3.000 | 2377.0536E-05 | 1384.4863E-05 | 8088.6571E-06 |
| -2.000 | 9139.7697E-06 | 5303.9540E-06 | 3089.2125E-06 |
| -1.000 | 3529.6531E-06 | 2039.3629E-06 | 1183.4730E-06 |
| .000 | 1370.4037E-06 | 7875.7279E-07 | 4550.4353E-07 |

TABLE 60

| G FUNCTION | | | |
|------------|----------------|----------------------|----------------|
| | RANGES | US FROM .0 TO 25.0 | |
| | | UB FROM 11.0 TO 13.0 | |
| UB= | 11.0 | 12.0 | 13.0 |
| US | | | |
| .000 | 1370.4037E-06 | 7875.7279E-07 | 4550.4353E-07 |
| 1.000 | 5356.0358E-07 | 3057.7853E-07 | 1757.3125E-07 |
| 2.000 | 2110.8744E-07 | 1195.0933E-07 | 6822.8417E-08 |
| 3.000 | 8407.7795E-08 | 4709.9982E-08 | 2666.6137E-08 |
| 4.000 | 3393.9282E-08 | 1876.0292E-08 | 1050.9426E-08 |
| 5.000 | 1392.4944E-08 | 7572.8771E-09 | 4185.9871E-09 |
| 6.000 | 5817.2600E-09 | 3107.0751E-09 | 1689.7373E-09 |
| 7.000 | 2467.5544E-09 | 1298.0062E-09 | 6932.8216E-10 |
| 8.000 | 1046.5176E-09 | 5505.8588E-10 | 2896.2433E-10 |
| 9.000 | 4222.2288E-10 | 2335.0968E-10 | 1228.5230E-10 |
| 10.000 | 1355.2146E-10 | 9421.0670E-11 | 5210.3049E-11 |
| 11.000 | .0000E-99 | 3023.8944E-11 | 2102.1239E-11 |
| 12.000 | -6777.4910E-11 | .0000E-99 | 6747.2170E-12 |
| 13.000 | -1060.6362E-10 | -1512.2632E-11 | .0000E-99 |
| 14.000 | -1276.2787E-10 | -2366.6000E-11 | -3374.3143E-12 |
| 15.000 | -1401.5781E-10 | -2847.7635E-11 | -5280.5973E-12 |
| 16.000 | -1475.8481E-10 | -3127.3444E-11 | -6354.2184E-12 |
| 17.000 | -1520.3781E-10 | -3293.0631E-11 | -6978.0477E-12 |
| 18.000 | -1547.2389E-10 | -3392.4230E-11 | -7347.8163E-12 |
| 19.000 | -1563.4901E-10 | -3452.3577E-11 | -7569.5182E-12 |
| 20.000 | -1573.3360E-10 | -3488.6190E-11 | -7703.2507E-12 |
| 21.000 | -1579.3050E-10 | -3510.5883E-11 | -7784.1606E-12 |
| 22.000 | -1582.9246E-10 | -3523.9070E-11 | -7833.1807E-12 |
| 23.000 | -1585.1198E-10 | -3531.9836E-11 | -7862.8988E-12 |
| 24.000 | -1586.4512E-10 | -3536.8818E-11 | -7880.9201E-12 |
| 25.000 | -1587.2587E-10 | -3539.8526E-11 | -7891.8496E-12 |

TABLE 61

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 14.0 TO | 16.0 |
| UB= | 14.0 | 15.0 | 16.0 |
| US | | | |
| -25.000 | 5244.8753E+02 | 5161.3304E+02 | 5023.3246E+02 |
| -24.000 | 3134.3136E+02 | 3052.7129E+02 | 2920.0967E+02 |
| -23.000 | 1855.2771E+02 | 1776.7834E+02 | 1652.7078E+02 |
| -22.000 | 1081.2306E+02 | 1007.6577E+02 | 8968.0247E+01 |
| -21.000 | 6144.7970E+01 | 5485.2800E+01 | 4570.2011E+01 |
| -20.000 | 3356.0738E+01 | 2808.4554E+01 | 2143.9657E+01 |
| -19.000 | 1726.7257E+01 | 1325.2874E+01 | 9213.7264E-00 |
| -18.000 | 8199.3771E-00 | 5728.6802E-00 | 3697.2361E-00 |
| -17.000 | 3566.6738E-00 | 2308.9072E-00 | 1426.0581E-00 |
| -16.000 | 1444.5539E-00 | 8931.2415E-01 | 5401.3102E-01 |
| -15.000 | 5605.9131E-01 | 3389.4049E-01 | 2031.1062E-01 |
| -14.000 | 2132.2128E-01 | 1276.5555E-01 | 7619.0354E-02 |
| -13.000 | 8045.1723E-02 | 4795.6119E-02 | 2856.5091E-02 |
| -12.000 | 3027.4763E-02 | 1800.6395E-02 | 1071.2140E-02 |
| -11.000 | 1138.7321E-02 | 6763.1839E-03 | 4019.4482E-03 |
| -10.000 | 4285.0169E-03 | 2542.0056E-03 | 1509.3115E-03 |
| -9.000 | 1613.8061E-03 | 9562.8284E-04 | 5672.3289E-04 |
| -8.000 | 6084.3795E-04 | 3601.1294E-04 | 2133.8056E-04 |
| -7.000 | 2296.7819E-04 | 1357.6436E-04 | 8035.2787E-05 |
| -6.000 | 8682.2091E-05 | 5124.8643E-05 | 3029.3231E-05 |
| -5.000 | 3287.1705E-05 | 1937.2701E-05 | 1143.5133E-05 |
| -4.000 | 1246.7568E-05 | 7334.6794E-06 | 4322.6367E-06 |
| -3.000 | 4738.1769E-06 | 2781.8921E-06 | 1636.5886E-06 |
| -2.000 | 1804.8245E-06 | 1057.2303E-06 | 6207.2408E-07 |
| -1.000 | 6892.9663E-07 | 4027.1084E-07 | 2358.9998E-07 |
| .000 | 2640.6853E-07 | 1538.0287E-07 | 8985.6930E-08 |

TABLE 62

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | 14.0 TO 16.0 |
| UB= | 14.0 | 15.0 | 16.0 |
| US | | | |
| .000 | 2640.6853E-07 | 1538.0287E-07 | 8985.6930E-08 |
| 1.000 | 1015.3393E-07 | 5892.1656E-08 | 3431.8060E-08 |
| 2.000 | 3921.0944E-08 | 2265.5283E-08 | 1314.7198E-08 |
| 3.000 | 1522.3816E-08 | 8749.1443E-09 | 5055.0773E-09 |
| 4.000 | 5950.0193E-09 | 3396.8927E-09 | 1952.1979E-09 |
| 5.000 | 2344.9700E-09 | 1327.6287E-09 | 7579.4921E-10 |
| 6.000 | 9340.2000E-10 | 5232.3352E-10 | 2962.3401E-10 |
| 7.000 | 3770.3137E-10 | 2084.0801E-10 | 1167.4917E-10 |
| 8.000 | 1546.9216E-10 | 8412.7066E-11 | 4650.2116E-11 |
| 9.000 | 6462.3926E-11 | 3451.6486E-11 | 1877.1285E-11 |
| 10.000 | 2741.2056E-11 | 1441.9546E-11 | 7701.6687E-12 |
| 11.000 | 1162.5762E-11 | 6116.4562E-12 | 3217.4357E-12 |
| 12.000 | 4690.4728E-12 | 2594.0582E-12 | 1364.7659E-12 |
| 13.000 | 1505.5075E-12 | 1046.5860E-12 | 5788.1262E-13 |
| 14.000 | .0000E-99 | 3359.2430E-13 | 2335.2489E-13 |
| 15.000 | -7529.1150E-13 | .0000E-99 | 7495.4830E-14 |
| 16.000 | -1178.2607E-12 | -1679.9732E-13 | .0000E-99 |
| 17.000 | -1417.8179E-12 | -2629.0556E-13 | -3748.5260E-14 |
| 18.000 | -1557.0130E-12 | -3163.5800E-13 | -5866.2153E-14 |
| 19.000 | -1639.5195E-12 | -3474.1663E-13 | -7058.9006E-14 |
| 20.000 | -1688.9878E-12 | -3658.2632E-13 | -7751.9124E-14 |
| 21.000 | -1718.8275E-12 | -3768.6421E-13 | -8162.6882E-14 |
| 22.000 | -1736.8809E-12 | -3835.2236E-13 | -8408.9768E-14 |
| 23.000 | -1747.8187E-12 | -3875.5062E-13 | -8557.5402E-14 |
| 24.000 | -1754.4497E-12 | -3899.9119E-13 | -8647.4230E-14 |
| 25.000 | -1758.4708E-12 | -3914.7076E-13 | -8701.8794E-14 |

TABLE 63

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 17.0 TO | 19.0 |
| UB= | 17.0 | 18.0 | 19.0 |
| US | | | |
| -25.000 | 4799.5681E+02 | 4448.0255E+02 | 3925.2209E+02 |
| -24.000 | 2711.1249E+02 | 2399.0479E+02 | 1974.6526E+02 |
| -23.000 | 1466.6064E+02 | 1211.8896E+02 | 9117.6141E+01 |
| -22.000 | 7440.5715E+01 | 5623.8243E+01 | 3859.7015E+01 |
| -21.000 | 3471.1112E+01 | 2391.8423E+01 | 1531.9473E+01 |
| -20.000 | 1483.6965E+01 | 9525.0159E-00 | 5868.1356E-00 |
| -19.000 | 5930.0102E-00 | 3656.1179E-00 | 2212.3500E-00 |
| -18.000 | 2281.4216E-00 | 1380.2835E-00 | 8288.8891E-01 |
| -17.000 | 8626.1827E-01 | 5177.0041E-01 | 3098.8161E-01 |
| -16.000 | 3239.3304E-01 | 1937.3453E-01 | 1157.8582E-01 |
| -15.000 | 1213.5820E-01 | 7245.9602E-02 | 4326.6586E-02 |
| -14.000 | 4544.0780E-02 | 2710.4402E-02 | 1617.3401E-02 |
| -13.000 | 1701.7637E-02 | 1014.2874E-02 | 6048.5881E-03 |
| -12.000 | 6376.2035E-03 | 3797.6712E-03 | 2263.2918E-03 |
| -11.000 | 2390.5552E-03 | 1422.7979E-03 | 8473.9073E-04 |
| -10.000 | 8969.1086E-04 | 5334.1566E-04 | 3174.7140E-04 |
| -9.000 | 3367.8023E-04 | 2001.2938E-04 | 1190.2144E-04 |
| -8.000 | 1265.6781E-04 | 7514.6049E-05 | 4465.4949E-05 |
| -7.000 | 4761.1793E-05 | 2824.1129E-05 | 1676.7355E-05 |
| -6.000 | 1792.9151E-05 | 1062.3630E-05 | 6301.4486E-06 |
| -5.000 | 6759.3365E-06 | 4000.5353E-06 | 2370.4526E-06 |
| -4.000 | 2551.5235E-06 | 1508.2119E-06 | 8926.4012E-07 |
| -3.000 | 9645.1063E-07 | 5693.2186E-07 | 3365.2759E-07 |
| -2.000 | 3651.7230E-07 | 2152.1140E-07 | 1270.3288E-07 |
| -1.000 | 1385.0226E-07 | 8148.0947E-08 | 4802.0160E-08 |
| .000 | 5263.6404E-08 | 3090.4031E-08 | 1818.0858E-08 |

TABLE 64

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 17.0 TO | 19.0 |
| UB= | 17.0 | 18.0 | 19.0 |
| US | | | |
| .000 | 5263.6404E-08 | 3090.4031E-08 | 1818.0858E-08 |
| 1.000 | 2004.9791E-08 | 1174.4768E-08 | 6895.6221E-09 |
| 2.000 | 7657.3942E-09 | 4473.7134E-09 | 2620.6121E-09 |
| 3.000 | 2933.5366E-09 | 1708.5956E-09 | 9982.2037E-10 |
| 4.000 | 1127.9401E-09 | 6545.6050E-10 | 3812.3921E-10 |
| 5.000 | 4355.9427E-10 | 2516.7747E-10 | 1460.5218E-10 |
| 6.000 | 1691.2133E-10 | 9719.4217E-11 | 5615.6832E-11 |
| 7.000 | 6609.8746E-11 | 3773.6071E-11 | 2168.6959E-11 |
| 8.000 | 2605.0263E-11 | 1474.8623E-11 | 8420.0547E-12 |
| 9.000 | 1037.6024E-11 | 5812.5996E-12 | 3290.8627E-12 |
| 10.000 | 4188.4402E-12 | 2315.2040E-12 | 1296.9662E-12 |
| 11.000 | 1718.4746E-12 | 9345.6737E-13 | 5165.9187E-13 |
| 12.000 | 7179.0696E-13 | 3834.4354E-13 | 2085.3015E-13 |
| 13.000 | 3045.2043E-13 | 1601.8669E-13 | 8555.7819E-14 |
| 14.000 | 1291.5055E-13 | 6794.7694E-14 | 3574.2483E-14 |
| 15.000 | 5210.6450E-14 | 2881.7381E-14 | 1516.1179E-14 |
| 16.000 | 1672.4684E-14 | 1162.6518E-14 | 6430.0277E-15 |
| 17.000 | .0000E-99 | 3731.7803E-15 | 2594.2274E-15 |
| 18.000 | -8364.0940E-15 | .0000E-99 | 8326.7300E-16 |
| 19.000 | -1308.9297E-14 | -1866.2808E-15 | .0000E-99 |
| 20.000 | -1575.0537E-14 | -2920.6162E-15 | -4164.2343E-16 |
| 21.000 | -1729.6855E-14 | -3514.4192E-15 | -6516.7747E-16 |
| 22.000 | -1821.3419E-14 | -3859.4494E-15 | -7841.7285E-16 |
| 23.000 | -1876.2963E-14 | -4063.9626E-15 | -8611.5951E-16 |
| 24.000 | -1909.4452E-14 | -4186.5824E-15 | -9067.9257E-16 |
| 25.000 | -1929.5007E-14 | -4260.5477E-15 | -9341.5276E-16 |

TABLE 65

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 20.0 TO | 22.0 |
| UB= | 20.0 | 21.0 | 22.0 |
| US | | | |
| -25.000 | 3218.6670E+02 | 2400.7686E+02 | 1630.2826E+02 |
| -24.000 | 1479.0881E+02 | 1007.7433E+02 | 6416.1677E+01 |
| -23.000 | 6234.0537E+01 | 3976.4252E+01 | 2445.1014E+01 |
| -22.000 | 2466.8074E+01 | 1517.7237E+01 | 9187.4152E-00 |
| -21.000 | 9431.4206E-00 | 5708.5841E-00 | 3433.2129E-00 |
| -20.000 | 3551.3723E-00 | 2134.8935E-00 | 1280.4624E-00 |
| -19.000 | 1329.2919E-00 | 7968.0317E-01 | 4773.0938E-01 |
| -18.000 | 4965.2110E-01 | 2972.2804E-01 | 1779.2490E-01 |
| -17.000 | 1853.6019E-01 | 1108.7692E-01 | 6633.9435E-02 |
| -16.000 | 6920.2071E-02 | 4137.1898E-02 | 2474.2649E-02 |
| -15.000 | 2584.3545E-02 | 1544.2828E-02 | 9231.6938E-03 |
| -14.000 | 9655.2472E-03 | 5766.7230E-03 | 3445.8138E-03 |
| -13.000 | 3608.9392E-03 | 2154.4120E-03 | 1286.7372E-03 |
| -12.000 | 1349.6459E-03 | 8052.6817E-04 | 4807.1537E-04 |
| -11.000 | 5050.1205E-04 | 3011.4744E-04 | 1796.7976E-04 |
| -10.000 | 1890.7890E-04 | 1126.8352E-04 | 6719.5095E-05 |
| -9.000 | 7083.7509E-05 | 4218.9226E-05 | 2514.3095E-05 |
| -8.000 | 2655.7283E-05 | 1580.5988E-05 | 9413.6890E-06 |
| -7.000 | 9963.8678E-06 | 5925.7310E-06 | 3526.7927E-06 |
| -6.000 | 3741.3032E-06 | 2223.2394E-06 | 1322.2093E-06 |
| -5.000 | 1406.0433E-06 | 8347.9760E-07 | 4960.7178E-07 |
| -4.000 | 5209.1953E-07 | 3137.3067E-07 | 1862.6851E-07 |
| -3.000 | 1991.7493E-07 | 1180.1789E-07 | 7000.2773E-08 |
| -2.000 | 7508.9450E-08 | 4444.1936E-08 | 2633.3350E-08 |
| -1.000 | 2834.4867E-08 | 1675.4721E-08 | 9916.3358E-09 |
| .000 | 1071.4745E-08 | 6324.5948E-09 | 3738.4838E-09 |

TABLE 66

| G FUNCTION | | | |
|------------|----------------|----------------|----------------|
| | RANGES | US FROM | .0 TO 25.0 |
| | | UB FROM | 20.0 TO 22.0 |
| UB= | 20.0 | 21.0 | 22.0 |
| US | | | |
| .000 | 1071.4745E-08 | 6324.5948E-09 | 3738.4838E-09 |
| 1.000 | 4056.6977E-09 | 2390.7828E-09 | 1411.2078E-09 |
| 2.000 | 1538.6211E-09 | 9051.7164E-10 | 5334.5578E-10 |
| 3.000 | 5847.3759E-10 | 3433.1281E-10 | 2019.7109E-10 |
| 4.000 | 2227.3306E-10 | 1304.7260E-10 | 7660.3443E-11 |
| 5.000 | 8506.5964E-11 | 4969.8468E-11 | 2911.2373E-11 |
| 6.000 | 3258.8648E-11 | 1898.0782E-11 | 1108.9227E-11 |
| 7.000 | 1253.0283E-11 | 7271.5105E-12 | 4235.1853E-12 |
| 8.000 | 4839.0151E-12 | 2795.8842E-12 | 1622.4933E-12 |
| 9.000 | 1878.7682E-12 | 1079.7302E-12 | 6238.4610E-13 |
| 10.000 | 7342.9072E-13 | 4192.0988E-13 | 2409.2037E-13 |
| 11.000 | 2893.9229E-13 | 1638.4240E-13 | 9353.8366E-14 |
| 12.000 | 1152.6722E-13 | 6457.2146E-14 | 3655.8183E-14 |
| 13.000 | 4652.9365E-14 | 2571.9593E-14 | 1440.7993E-14 |
| 14.000 | 1909.0527E-14 | 1038.2105E-14 | 5738.8171E-15 |
| 15.000 | 7975.2256E-15 | 4259.6729E-15 | 2316.5608E-15 |
| 16.000 | 3382.9163E-15 | 1779.5133E-15 | 9504.6152E-16 |
| 17.000 | 1434.7329E-15 | 7548.3066E-16 | 3970.6312E-16 |
| 18.000 | 5788.5034E-16 | 3201.3220E-16 | 1684.2548E-16 |
| 19.000 | 1857.9444E-16 | 1291.5896E-16 | 7143.1142E-17 |
| 20.000 | .0000E-99 | 4145.6336E-17 | 2881.9256E-17 |
| 21.000 | -9291.6663E-17 | .0000E-99 | 9250.1566E-18 |
| 22.000 | -1454.0892E-16 | -2073.2498E-17 | .0000E-99 |
| 23.000 | -1749.7263E-16 | -3244.5106E-17 | -4626.0470E-18 |
| 24.000 | -1921.5067E-16 | -3904.1662E-17 | -7239.4832E-18 |
| 25.000 | -2023.3278E-16 | -4287.4602E-17 | -8711.3739E-18 |

TABLE 67

| G FUNCTION | | | |
|------------|---------------|---------------|---------------|
| RANGES | US FROM | -25.0 TO | .0 |
| | UB FROM | 23.0 TO | 25.0 |
| UB= | 23.0 | 24.0 | 25.0 |
| US | | | |
| -25.000 | 1036.2111E+02 | 6365.0617E+01 | 3854.1061E+01 |
| -24.000 | 3943.1758E+01 | 2387.4317E+01 | 1437.4087E+01 |
| -23.000 | 1480.2727E+01 | 8909.3593E-00 | 5351.5474E-00 |
| -22.000 | 5527.6398E-00 | 3318.7787E-00 | 1991.3934E-00 |
| -21.000 | 2060.2795E-00 | 1235.6191E-00 | 7410.0325E-01 |
| -20.000 | 7675.0847E-01 | 4600.2482E-01 | 2757.7169E-01 |
| -19.000 | 2859.1471E-01 | 1712.9841E-01 | 1026.5491E-01 |
| -18.000 | 1065.3094E-01 | 6380.2390E-02 | 3822.3177E-02 |
| -17.000 | 3970.4469E-02 | 2377.1137E-02 | 1423.6425E-02 |
| -16.000 | 1480.2900E-02 | 8859.3871E-03 | 5304.0842E-03 |
| -15.000 | 5520.9119E-03 | 3302.9908E-03 | 1976.8001E-03 |
| -14.000 | 2059.8806E-03 | 1231.8843E-03 | 7369.9740E-04 |
| -13.000 | 7688.6659E-04 | 4596.2186E-04 | 2748.7064E-04 |
| -12.000 | 2871.1013E-04 | 1715.5737E-04 | 1025.5551E-04 |
| -11.000 | 1072.6213E-04 | 6406.2940E-05 | 3827.9627E-05 |
| -10.000 | 4009.1980E-05 | 2393.3417E-05 | 1429.4373E-05 |
| -9.000 | 1499.3252E-05 | 8945.7300E-06 | 5340.2671E-06 |
| -8.000 | 5610.1829E-06 | 3345.4470E-06 | 1996.0621E-06 |
| -7.000 | 2100.4779E-06 | 1251.8010E-06 | 7464.7011E-07 |
| -6.000 | 7869.3382E-07 | 4686.7997E-07 | 2793.1455E-07 |
| -5.000 | 2950.2479E-07 | 1755.8865E-07 | 1045.7663E-07 |
| -4.000 | 1106.8857E-07 | 6582.8927E-08 | 3917.9128E-08 |
| -3.000 | 4156.2125E-08 | 2469.7957E-08 | 1468.8419E-08 |
| -2.000 | 1561.9730E-08 | 9273.7629E-09 | 5510.8595E-09 |
| -1.000 | 5875.7648E-09 | 3485.2329E-09 | 2069.2562E-09 |
| .000 | 2212.6335E-09 | 1311.0603E-09 | 7776.6053E-10 |

TABLE 68

| G FUNCTION | | | |
|------------|----------------|----------------|---------------|
| RANGES | US FROM | .0 TO | 25.0 |
| | UB FROM | 23.0 TO | 25.0 |
| UB= | 23.0 | 24.0 | 25.0 |
| US | | | |
| .000 | 2212.6335E-09 | 1311.0603E-09 | 7776.6053E-10 |
| 1.000 | 8341.6845E-10 | 4937.0530E-10 | 2925.3710E-10 |
| 2.000 | 3148.8302E-10 | 1861.2814E-10 | 1101.6053E-10 |
| 3.000 | 1190.3006E-10 | 7025.9900E-11 | 4153.0803E-11 |
| 4.000 | 4506.5840E-11 | 2655.9197E-11 | 1567.7102E-11 |
| 5.000 | 1709.2535E-11 | 1005.5548E-11 | 5926.1579E-12 |
| 6.000 | 6495.8477E-12 | 3813.8607E-12 | 2243.6959E-12 |
| 7.000 | 2474.3407E-12 | 1449.4196E-12 | 8509.8729E-13 |
| 8.000 | 9449.9748E-13 | 5521.0007E-13 | 3234.0923E-13 |
| 9.000 | 3620.2718E-13 | 2108.5744E-13 | 1231.9017E-13 |
| 10.000 | 1391.9887E-13 | 8077.9182E-14 | 4704.8656E-14 |
| 11.000 | 5375.6603E-14 | 3105.9469E-14 | 1802.4271E-14 |
| 12.000 | 2087.1229E-14 | 1199.4719E-14 | 6930.3039E-15 |
| 13.000 | 8157.2330E-15 | 4657.0010E-15 | 2676.3836E-15 |
| 14.000 | 3214.8580E-15 | 1820.1246E-15 | 1039.1173E-15 |
| 15.000 | 1280.5031E-15 | 7173.3174E-16 | 4061.2473E-16 |
| 16.000 | 5168.9460E-16 | 2857.1888E-16 | 1600.5835E-16 |
| 17.000 | 2120.7662E-16 | 1153.3477E-16 | 6375.2497E-17 |
| 18.000 | 8859.6757E-17 | 4732.0690E-17 | 2573.4664E-17 |
| 19.000 | 3758.0807E-17 | 1976.8607E-17 | 1055.8672E-17 |
| 20.000 | 1593.8443E-17 | 8385.4115E-18 | 4410.9726E-18 |
| 21.000 | 6430.4458E-18 | 3556.3475E-18 | 1871.0380E-18 |
| 22.000 | 2063.9895E-18 | 1434.8264E-18 | 7935.2837E-19 |
| 23.000 | .0000E-99 | 4605.3823E-19 | 3201.5307E-19 |
| 24.000 | -1032.2103E-18 | .0000E-99 | 1027.5999E-19 |
| 25.000 | -1615.3467E-18 | -2303.1741E-19 | .0000E-99 |