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WYLE LABORATORIES - RESEARCH STAFF
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AN APPLICATION OF THEORY TO
AXIAL COMPRESSOR NOISE
APPENDIX C. BESSEL FUNCTIONS OF THE
FIRST KIND: A TABLE OF VALUES FOR ORDERS
TO 179 AND ARGUMENTS TO 211

by

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AN APPLICATION OF THEORY TO COMPRESSOR NOISE

APPENDIX C. BESSEL FUNCTIONS OF THE FIRST KIND: A TABLE OF VALUES FOR ORDERS TO 179 AND ARGUMENTS TO 211

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INTRODUCTION

The calculation of harmonic compressor and fan noise by the method described in Section 3.3 of the text requires values of the Bessel Function $J_{|mB-kv|}(mBM \sin \theta)$. In many cases the value of the argument, $mBM \sin \theta$, or the order, $|mB-kv|$, or both may become very large, exceeding the limits of currently available tables of Bessel Function values. The tables contained herein have been prepared to provide values covering the expected range of order and argument encountered with common compressor stages.

Since the calculation procedure outlined in Section 3.3 requires the Bessel Function value in intensity form (i.e., $10 \log_{10} |J_{|mB-kv|}(mBM \sin \theta)|$) the tables have been prepared containing the Bessel Function values in this form.

Since the value of $J_n(Z)$ always falls between ± 1 , the negative sign associated with $10 \log_{10} |J_n(Z)|$ because of fractional values of $|J_n(Z)|$ has been dropped from all tabulated values. The arithmetic sign of $J_n(Z)$ has, however, been retained in the tables, thus a negative sign in front of one of the tabulated values indicates that the value of $J_n(Z) < 0$; further the negative sign dropped from all tabulated values indicates then, that $-1 \leq J_n < 0$. A tabulated value of 999.9 indicates that $J_n(Z) = 0$.

USE OF THE TABLES

The use of the Bessel Function tables can be illustrated best by the following examples:

Example 1: Find the value of $10 \log_{10} |J_5(2.5)|$

From page 4:

$$\pm |10 \log_{10} |J_5(2.5)|| = 17.1 \text{ dB}$$

Regaining the negative sign dropped from all tabulated values:

$$\underline{10 \log_{10} |J_5(2.5)| = -17.1 \text{ dB}}$$

Example 2: Find the value of $J_5(2.5)$.

From example 1:

$$10 \log_{10} |J_5(2.5)| = -17.1 \text{ dB}$$

then:

$$\begin{aligned} |J_5(2.5)| &= \text{antilog}_{10} \left(-\frac{17.1}{10} \right) \\ &= \text{antilog}(-1.71) = \text{antilog}(-2 + 0.29) \\ &= 0.0195 \end{aligned}$$

Since the arithmetic sign associated with the tabulated value of $10 \log_{10} |J_5(2.5)|$ is positive then:

$$\underline{J_5(2.5) = 0.0195}$$

Example 3: Find the value of $10 \log_{10} |J_3(6.5)|$

From page 5:

$$\pm |10 \log_{10} |J_3(6.5)|| = -14.5 \text{ dB}$$

The (-) sign indicates the arithmetic sign of the function $J_3(6.5)$. For intensity information it is dropped:

$$|10 \log_{10} |J_3(6.5)|| = 14.5 \text{ dB}$$

Regaining the negative sign dropped from all tabulated values:

$$\underline{|10 \log_{10} |J_3(6.5)|| = -14.5 \text{ dB}}$$

Example 4: Find the value of $J_3(6.5)$.

From example 3:

$$10 \log_{10} |J_3(6.5)| = -14.5 \text{ dB}$$

then:

$$\begin{aligned} |J_3(6.5)| &= \text{antilog}_{10} \left(-\frac{14.5}{10} \right) \\ &= \text{antilog}_{10} (-1.45) = \text{antilog}_{10} (-2 + 0.55) \\ &= 0.0355 \end{aligned}$$

But the arithmetic sign associated with the tabulated value of $10 \log_{10} |J_5(2.5)|$ is negative, thus:

$$\underline{J_3(6.5) = -0.0355}$$

TABLE I

BESSEL FUNCTIONS OF ORDER 0 TO 17

		BESSEL FUNCTION ORDER																	
ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
.0	.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.1	.0	13.0	29.0	46.8	65.8	85.8	106.6	128.1	150.1	172.7	195.7	219.1	242.9	267.1	291.5	316.3	341.4	366.7	392.3
.2	.0	10.0	23.0	37.8	53.8	70.8	88.6	107.0	126.1	145.6	165.6	186.0	206.8	227.9	249.4	271.2	293.2	315.5	338.1
.3	.1	8.3	19.5	32.5	46.8	62.0	78.0	94.7	112.0	129.8	148.0	166.6	185.7	205.1	224.8	244.8	265.0	285.6	306.5
.4	.2	7.1	17.0	28.8	41.8	55.8	70.5	86.0	102.0	118.5	135.5	152.9	170.7	188.8	207.3	226.0	245.1	264.3	283.7
.5	.3	6.2	15.1	25.9	37.9	50.9	64.7	79.2	94.3	109.8	125.8	142.3	159.1	176.2	193.7	211.5	229.6	247.9	266.4
.6	.4	5.4	13.6	23.6	34.8	47.0	60.0	73.7	87.9	102.7	117.9	133.6	149.6	165.9	182.6	199.6	216.9	234.4	252.1
.7	.5	4.8	12.3	21.6	32.1	43.7	56.0	69.0	82.6	96.7	111.2	126.2	141.6	157.3	173.3	189.6	206.2	223.0	239.9
.8	.7	4.3	11.2	19.9	29.9	40.8	52.5	65.0	78.0	91.5	105.5	119.8	134.6	149.7	165.2	180.9	196.9	213.2	229.7
.9	.9	3.9	10.2	18.4	27.9	38.3	49.5	61.4	73.9	86.9	100.4	114.2	128.5	143.1	158.0	173.2	188.7	204.5	220.5
1.0	1.2	3.6	9.4	17.1	26.1	36.0	46.8	58.2	70.3	82.8	95.8	109.2	123.0	137.2	151.6	166.4	181.4	196.7	212.3
1.1	1.4	3.3	8.6	15.9	24.5	34.0	44.3	55.4	67.0	79.1	91.7	104.7	118.1	131.8	145.8	160.2	174.8	189.7	204.7
1.2	1.7	3.0	8.0	14.8	23.0	32.1	42.1	52.7	64.0	75.7	87.9	100.5	113.5	126.9	140.6	154.5	168.8	183.3	197.9
1.3	2.1	2.8	7.4	13.9	21.7	30.5	40.1	50.4	61.2	72.6	84.5	96.7	109.4	122.4	135.7	149.3	163.2	177.4	191.7
1.4	2.5	2.7	6.8	13.0	20.4	28.9	38.2	48.1	58.7	69.8	81.3	93.2	105.6	118.2	131.2	144.5	158.1	172.0	186.0
1.5	2.9	2.5	6.3	12.1	19.3	27.4	36.4	46.1	56.3	67.1	78.3	90.0	102.0	114.4	127.1	140.1	153.3	166.9	180.7
1.6	3.4	2.4	5.9	11.4	18.2	26.1	34.8	44.2	54.1	64.6	75.5	86.9	98.6	110.7	123.2	135.9	148.9	162.1	175.5
1.7	4.0	2.4	5.5	10.7	17.3	24.8	33.3	42.4	52.1	62.3	72.9	84.0	95.5	107.3	119.5	131.9	144.7	157.7	170.9
1.8	4.7	2.4	5.1	10.1	16.3	23.7	31.8	40.7	50.1	60.1	70.5	81.3	92.6	104.1	116.0	128.2	140.7	153.5	166.5
1.9	5.5	2.4	4.8	9.5	15.5	22.6	30.5	39.1	48.3	58.0	68.2	78.8	89.8	101.1	112.8	124.8	137.0	149.5	162.1
2.0	6.5	2.4	4.5	8.9	14.7	21.5	29.2	37.6	46.5	56.0	66.0	76.4	87.1	98.3	109.7	121.4	133.5	145.8	158.2
2.1	7.8	2.5	4.3	8.4	13.9	20.5	28.0	36.1	44.9	54.2	63.9	74.1	84.6	95.5	106.8	118.3	130.1	142.2	154.4
2.2	9.6	2.5	4.0	7.9	13.2	19.6	26.8	34.8	43.3	52.4	61.9	71.9	82.2	92.9	104.0	115.3	126.9	138.8	150.8
2.3	12.6	2.7	3.8	7.4	12.5	18.7	25.8	33.5	41.8	50.7	60.1	69.8	80.0	90.5	101.3	112.4	123.8	135.5	147.4
2.4	26.0	2.8	3.7	7.0	11.9	17.9	24.7	32.3	40.4	49.1	58.3	67.8	77.8	88.1	98.7	109.7	120.9	132.4	144.1
2.5	-13.2	3.0	3.5	6.6	11.3	17.1	23.7	31.1	39.1	47.6	56.5	65.9	75.7	85.8	96.3	107.1	118.1	129.4	140.8
2.6	-10.1	3.3	3.4	6.3	10.8	16.3	22.8	30.0	37.8	46.1	54.9	64.1	73.7	83.7	93.9	104.5	115.4	126.5	137.7
2.7	-8.5	3.5	3.3	6.0	10.2	15.6	21.9	28.9	36.5	44.7	53.3	62.3	71.8	81.6	91.7	102.1	112.8	123.8	134.8
2.8	-7.3	3.9	3.2	5.6	9.7	14.9	21.0	27.9	35.3	43.3	51.8	60.7	69.9	79.6	89.5	99.8	110.3	121.1	131.9
2.9	-6.5	4.3	3.2	5.4	9.2	14.3	20.2	26.9	34.2	42.0	50.3	59.0	68.1	77.6	87.4	97.5	107.9	118.6	129.4
3.0	-5.8	4.7	3.1	5.1	8.8	13.7	19.4	25.9	33.1	40.7	48.9	57.5	66.4	75.8	85.4	95.4	105.6	116.1	126.7
3.1	-5.3	5.2	3.1	4.9	8.4	13.1	18.7	25.0	32.0	39.5	47.5	56.0	64.8	73.9	83.5	93.3	103.4	113.7	124.1
3.2	-4.9	5.8	3.2	4.6	8.0	12.5	18.0	24.2	31.0	38.4	46.2	54.5	63.2	72.2	81.6	91.2	101.2	111.4	121.7
3.3	-4.6	6.6	3.2	4.5	7.6	12.0	17.3	23.3	30.0	37.2	44.9	53.1	61.6	70.5	79.7	89.3	99.1	109.2	119.4
3.4	-4.4	7.5	3.3	4.3	7.2	11.4	16.6	22.5	29.0	36.1	43.7	51.7	60.1	68.9	78.0	87.4	97.1	107.0	117.0
3.5	-4.2	8.6	3.4	4.1	6.9	10.9	15.9	21.7	28.1	35.1	42.5	50.4	58.7	67.3	76.3	85.5	95.1	104.9	114.8
3.6	-4.1	10.2	3.5	4.0	6.6	10.5	15.3	21.0	27.2	34.1	41.4	49.1	57.3	65.8	74.6	83.8	93.2	102.9	112.7
3.7	-4.0	12.7	3.7	3.9	6.3	10.0	14.7	20.2	26.4	33.1	40.2	47.9	55.9	64.3	73.0	82.0	91.3	100.9	110.6
3.8	-4.0	18.9	3.9	3.8	6.0	9.6	14.2	19.5	25.5	32.1	39.2	46.7	54.6	62.8	71.4	80.3	89.5	99.0	108.5
3.9	-4.0	-15.6	4.1	3.7	5.8	9.2	13.6	18.8	24.7	31.2	38.1	45.5	53.3	61.4	69.9	78.7	87.8	97.1	106.4

TABLE I. -- Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4.0	-4.0	-11.8	4.4	3.7	5.5	8.8	13.1	18.2	23.9	30.3	37.1	44.4	52.0	60.1	68.4	77.1	86.1	95.3
4.1	-4.1	-9.9	4.7	3.6	5.3	8.4	12.6	17.6	23.2	29.4	36.1	43.3	50.8	58.7	67.0	75.6	84.4	93.5
4.2	-4.2	-8.6	5.1	3.6	4.9	7.7	11.6	16.9	22.5	28.6	34.2	41.1	48.5	57.4	65.6	74.0	82.8	91.8
4.3	-4.4	-7.6	5.5	3.6	4.7	7.4	11.2	15.8	21.1	26.9	33.3	40.1	47.4	54.9	62.9	71.1	79.7	88.5
4.4	-4.7	-6.9	6.0	3.7	4.7	7.4	10.7	15.2	20.4	26.2	32.4	39.1	46.3	53.7	61.6	69.7	78.2	86.9
4.5	-4.9	-6.4	6.6	3.7	4.6	7.1	10.3	14.7	19.8	25.4	31.6	38.2	45.2	52.6	60.3	68.4	76.7	85.3
4.6	-5.3	-5.9	7.3	3.8	4.4	6.8	10.3	14.2	19.1	24.7	30.7	37.2	44.1	51.4	59.1	67.0	75.3	83.8
4.7	-5.7	-5.5	8.2	3.9	4.3	6.5	9.9	13.7	18.5	24.0	29.9	36.3	43.1	50.3	57.9	65.7	73.9	82.3
4.8	-6.2	-5.3	9.4	4.0	4.2	6.3	9.5	13.2	17.9	23.3	29.1	35.4	42.1	49.2	56.7	64.4	72.5	80.8
4.9	-6.8	-5.0	10.9	4.2	4.1	6.1	9.2	12.7	17.4	22.6	28.3	34.5	41.2	48.2	55.5	63.2	71.1	79.4
5.0	-7.5	-4.7	13.3	4.4	4.0	5.8	8.8	12.3	16.8	21.9	27.6	33.7	40.2	47.1	54.4	62.0	69.8	78.0
5.1	-8.4	-4.7	19.2	4.6	4.0	5.6	8.5	12.3	16.8	21.9	27.6	33.7	40.2	47.1	54.4	62.0	69.8	78.0
5.2	-9.6	-4.6	27.6	4.9	4.0	5.4	8.2	11.8	16.3	21.3	26.8	32.9	39.3	46.1	53.3	60.8	68.6	76.6
5.3	-11.2	-4.6	42.6	5.2	4.0	5.2	7.9	11.4	15.7	20.7	26.1	32.1	38.4	45.1	52.2	59.6	67.3	75.3
5.4	-13.8	-4.6	70.6	5.5	4.0	5.1	7.6	11.0	15.2	20.1	25.4	31.3	37.5	44.2	51.2	58.5	66.1	74.0
5.5	-21.6	-4.7	122.2	5.9	4.0	4.9	7.3	10.6	14.7	19.5	24.7	30.5	36.7	43.2	50.1	57.3	64.9	72.7
5.6	15.7	-4.8	207.3	6.4	4.1	4.8	7.0	10.2	14.3	18.9	24.1	29.7	35.8	42.3	49.1	56.3	63.7	71.4
5.7	12.2	-4.9	347.6	6.9	4.1	4.7	6.8	9.9	13.8	18.3	23.4	29.0	35.0	41.4	48.1	55.2	62.5	70.2
5.8	10.4	-5.1	531.1	7.6	4.2	4.6	6.5	9.5	13.3	17.8	22.8	28.3	34.2	40.5	47.1	54.1	61.4	69.0
5.9	9.1	-5.3	770.9	8.4	4.3	4.5	6.3	9.2	12.9	17.3	22.2	27.6	33.4	39.6	46.2	53.1	60.3	67.8
6.0	8.2	-5.6	1077.5	9.4	4.5	4.4	6.1	8.9	12.5	16.7	21.6	26.9	32.6	38.8	45.2	52.1	59.2	66.6
6.1	7.5	-5.9	1464.8	10.7	4.6	4.4	5.9	8.6	12.1	16.2	21.0	26.2	31.9	37.9	44.4	51.1	58.1	65.5
6.2	6.5	-6.3	1945.6	12.7	4.8	4.3	5.7	8.3	11.7	15.8	20.4	25.6	31.1	37.1	43.5	50.1	57.1	64.3
6.3	6.3	-6.8	2634.2	16.2	5.3	4.3	5.5	8.0	11.3	15.3	19.8	24.9	30.4	36.3	42.6	49.2	56.0	63.2
6.4	6.1	-7.4	3545.5	22.3	5.6	4.3	5.4	7.7	10.9	14.8	19.3	24.3	29.7	35.5	41.7	48.2	55.0	62.1
6.5	5.8	-8.1	4803.1	31.5	6.0	4.3	5.2	7.4	10.6	14.4	18.8	23.7	29.0	34.8	40.9	47.3	54.1	61.1
6.6	5.6	-9.0	6462.0	44.5	6.4	4.3	5.1	7.2	10.2	13.9	18.2	23.1	28.3	34.0	40.0	46.4	53.1	60.0
6.7	5.6	-10.2	8700.2	61.9	6.8	4.3	4.9	7.0	9.9	13.5	17.2	22.5	27.7	33.3	39.2	45.5	52.1	58.9
6.8	5.3	-11.9	11700.5	84.3	7.4	4.4	4.8	6.7	9.5	13.1	16.8	21.9	27.0	32.5	38.4	44.7	51.2	57.9
6.9	5.2	-14.6	15700.3	112.8	8.0	4.5	4.7	6.5	9.2	12.7	16.3	21.3	26.4	31.8	37.6	43.8	50.3	57.0
7.0	5.2	-23.3	21400.3	150.8	8.8	4.6	4.7	6.3	8.9	12.3	15.8	20.8	25.8	31.1	36.9	43.0	49.4	55.9
7.1	5.2	16.0	29400.3	201.3	9.8	4.7	4.6	6.1	8.6	11.9	15.4	20.3	25.1	30.4	36.1	42.1	48.5	55.1
7.2	5.3	12.6	39600.3	274.8	10.8	4.9	4.6	5.9	8.4	11.5	14.9	19.7	24.5	29.8	35.4	41.3	47.6	54.1
7.3	5.4	10.8	52800.3	378.4	11.1	5.0	4.5	5.8	8.1	11.2	14.5	19.2	24.0	29.1	34.7	40.5	46.7	53.2
7.4	5.6	9.6	70800.3	519.9	12.2	5.2	4.5	5.6	7.8	10.8	14.1	18.5	23.4	28.5	33.9	39.9	45.7	52.3
7.5	5.7	8.7	96000.3	708.3	13.2	5.5	4.5	5.5	7.6	10.5	13.7	17.8	22.8	27.8	33.2	39.0	44.8	51.4
7.6	6.0	8.0	123000.3	954.5	15.1	5.7	4.5	5.3	7.3	10.2	13.3	17.3	22.3	27.3	32.6	38.2	43.4	49.5
7.7	6.3	7.4	164000.3	1285.5	18.5	6.1	4.5	5.2	7.1	9.9	12.9	16.8	21.7	26.6	31.9	37.5	42.6	48.6
7.8	6.7	7.0	214000.3	1744.8	22.5	6.4	4.6	5.1	6.9	9.6	12.5	16.4	21.2	26.0	31.2	36.8	42.6	48.8
7.9	7.1	6.6	286000.3	2371.4	27.9	6.8	4.6	5.0	6.7	9.3	12.1	15.9	20.7	25.4	30.6	35.0	40.1	45.9

TABLE I. — Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8.0	7.7	6.3	-9.5	-5.4	-9.8	7.3	4.7	4.9	6.5	9.0	12.2	15.9	20.2	24.8	29.9	35.3	41.1	47.1
8.2	9.1	5.9	-12.3	-5.4	-8.2	8.5	4.9	4.8	6.2	8.4	11.5	15.1	19.2	23.7	28.7	34.0	39.6	45.5
8.4	11.6	5.7	-23.3	-5.6	-7.2	10.4	5.2	4.7	5.8	7.9	10.8	14.3	18.2	22.7	27.5	32.6	38.1	43.9
8.6	18.3	5.6	13.1	-6.0	-6.5	13.7	5.6	4.7	5.6	7.5	10.2	13.5	17.3	21.6	26.3	31.4	36.7	42.4
8.8	-14.1	5.3	10.0	-6.6	-6.0	-21.6	6.2	4.7	5.3	7.1	9.6	12.8	16.5	20.6	25.2	30.1	35.4	40.9
9.0	-10.4	6.1	8.4	-7.4	-5.8	-12.6	6.9	4.8	5.2	6.7	9.0	12.1	15.6	19.7	24.1	28.9	34.1	39.5
9.2	-8.6	6.6	7.4	-8.6	-5.6	-10.0	7.8	5.0	5.0	6.3	8.5	11.4	14.8	18.7	23.0	27.7	32.8	38.1
9.4	-7.5	7.4	6.7	-10.5	-5.6	-8.5	9.2	5.3	4.9	6.0	8.1	10.8	14.1	17.8	22.0	26.6	31.5	36.8
9.6	-6.3	8.6	6.2	-13.9	-5.8	-7.5	11.1	5.6	4.9	5.8	7.6	10.2	13.3	17.0	21.1	25.5	30.3	35.5
9.8	-6.3	10.3	6.0	-20.1	-6.1	-6.8	13.4	6.1	4.9	5.5	7.2	9.6	12.6	16.2	20.1	24.5	29.2	34.2
10.0	-6.1	13.6	5.9	12.3	-6.6	-6.3	-18.0	6.6	5.0	5.3	6.8	9.1	12.0	15.4	19.2	23.5	28.0	33.0
10.2	-6.0	-21.8	6.0	9.8	-7.3	-6.0	-12.3	7.4	5.1	5.2	6.5	8.6	11.4	14.6	18.4	22.5	27.0	31.8
10.4	-6.1	-12.6	6.3	8.4	-8.3	-5.9	-10.0	8.4	5.3	5.1	6.2	8.1	10.8	13.9	17.5	21.5	25.9	30.6
10.6	-6.4	-9.9	6.8	7.4	-9.7	-5.8	-8.6	9.9	5.6	5.1	5.9	7.7	10.2	13.2	16.7	20.6	24.9	29.5
10.8	-6.9	-8.5	7.5	6.8	-12.1	-6.0	-7.6	12.1	6.0	5.1	5.7	7.3	9.7	12.5	15.9	19.7	23.9	28.4
11.0	-7.7	-7.5	8.6	6.4	-18.2	-6.2	-7.0	17.4	6.5	5.1	5.5	7.0	9.2	11.9	15.2	18.9	22.9	27.3
11.2	-8.8	-6.9	10.2	6.2	-15.1	-6.7	-6.5	-17.4	7.1	5.2	5.4	6.6	8.7	11.3	14.5	18.0	22.0	26.3
11.4	-10.4	-6.5	12.9	6.2	11.2	-7.3	-6.2	-11.9	8.0	5.4	5.3	6.3	8.2	10.7	13.8	17.2	21.1	25.3
11.6	-13.5	-6.3	23.4	6.3	9.3	-8.1	-6.0	9.8	9.1	5.6	5.2	6.1	7.4	10.2	13.1	16.5	20.2	24.3
11.8	27.1	-6.5	-13.8	6.6	8.2	-9.4	-6.0	-8.6	10.7	6.0	5.2	5.9	7.4	9.7	12.5	15.7	19.4	23.4
12.0	13.2	-6.5	-10.7	7.1	7.4	-11.3	-6.1	-7.7	13.5	6.4	5.2	5.7	7.1	9.2	11.9	15.0	18.5	22.4
12.2	10.4	-6.9	-9.0	7.8	6.9	-15.2	-6.4	-7.1	23.0	6.9	5.3	5.5	6.8	8.7	11.3	14.3	17.8	21.6
12.4	8.9	-7.4	-8.0	8.9	6.5	18.8	-6.8	-6.6	-14.6	7.6	5.5	5.4	6.5	8.3	10.7	13.7	17.0	20.7
12.6	7.9	-8.3	-7.3	10.5	6.4	12.5	-7.3	-6.6	-11.4	8.6	5.7	5.3	6.2	7.9	10.2	13.0	16.2	19.9
12.8	7.2	-9.5	-6.9	13.3	6.4	10.2	-8.1	-6.2	-9.6	9.8	5.9	5.3	6.0	7.5	9.7	12.4	15.5	19.0
13.0	6.8	-11.5	-6.6	24.8	6.6	8.9	-9.3	-6.2	-8.5	11.7	6.3	5.4	5.7	6.9	9.3	11.8	14.2	17.5
13.2	6.6	-15.7	-6.6	-14.0	6.9	7.3	-11.0	-6.3	-7.7	15.3	6.8	5.5	5.6	6.6	8.4	10.7	13.6	16.1
13.4	6.6	17.8	-6.7	-10.9	7.5	7.3	-14.1	-6.5	-7.1	-20.7	7.4	5.5	5.4	6.1	7.6	9.3	12.4	15.4
13.6	6.8	12.3	-7.0	-9.3	8.3	6.9	-26.6	-6.9	-6.7	-13.4	8.2	5.7	5.5	6.4	8.0	10.2	12.9	16.0
13.8	7.1	10.1	-7.4	-8.2	9.4	6.6	13.7	-7.4	-6.5	-10.9	9.2	5.9	5.4	6.0	7.3	9.3	11.8	14.7
14.0	7.7	8.7	-8.2	-7.5	11.2	6.6	10.9	-8.2	-6.3	-9.4	13.1	6.7	5.4	5.8	7.0	8.9	11.3	14.1
14.2	8.5	7.9	-9.3	-7.1	14.5	6.7	9.3	-9.3	-6.3	-8.4	18.7	7.2	5.5	5.7	6.5	8.5	10.7	13.5
14.4	9.7	7.3	-10.9	-6.8	-22.5	6.9	8.3	-10.9	-6.4	-7.7	-16.5	7.9	5.6	5.6	6.3	7.7	9.8	12.3
14.6	11.7	7.0	-13.9	-6.8	-13.4	7.3	7.6	-13.6	-6.7	-7.2	-12.4	8.8	5.8	5.6	6.3	8.1	10.3	12.9
14.8	15.7	6.8	30.8	-6.9	-10.7	7.9	7.1	-23.8	-7.1	-6.8	-12.4	10.0	6.0	5.6	6.1	7.4	9.3	11.8
15.0	-18.5	6.9	13.8	-7.1	-9.2	8.8	6.9	14.6	-7.6	-6.6	-10.5	11.8	6.3	5.5	5.9	7.1	8.9	11.2
15.2	-12.6	7.1	11.0	-7.6	-8.3	10.2	6.7	11.5	-8.3	-6.5	-9.2	14.9	7.1	5.6	5.9	7.4	8.9	10.8
15.4	-10.4	7.5	9.4	-8.3	-7.6	12.3	6.8	9.8	-8.4	-6.5	-8.3	19.9	7.7	5.7	6.0	7.6	8.9	10.2
15.6	-9.0	8.1	8.4	-9.3	-7.2	17.1	6.9	8.7	-10.9	-6.6	-7.6	-27.6	7.7	5.8	5.7	6.6	8.2	9.8
15.8	-8.1	9.0	7.7	-10.9	-7.0	-17.1	7.3	7.9	-13.5	-6.8	-7.2	-14.5	8.5	6.0	5.7	6.4	7.8	9.0

TABLE I. - Continued

BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
16.0	-7.6	10.4	7.3	-13.6	-6.9	-12.4	7.8	7.4	21.5	-7.2	-6.9	11.7	9.5	6.3	5.6	6.2	7.5	9.4
16.2	-7.2	12.3	7.1	-23.4	-7.0	-10.3	8.5	7.1	15.2	-7.8	-6.7	-10.0	10.9	6.6	5.7	6.0	7.2	9.0
16.4	-7.1	13.6	7.0	14.6	-7.3	-9.0	9.6	6.9	11.8	-8.5	-6.6	-8.9	13.1	7.0	5.7	5.9	6.9	8.6
16.6	-7.1	16.0	7.2	11.5	-7.8	-8.2	11.3	6.9	10.1	-9.6	-6.6	-8.2	17.9	7.5	5.9	5.8	6.7	8.2
16.8	-7.3	12.0	7.5	19.8	-8.5	-7.6	14.2	7.0	8.9	-11.1	-6.7	-7.6	17.8	8.2	6.0	6.5	7.9	7.9
17.0	-7.7	10.1	8.0	8.7	-9.6	-7.3	31.5	7.3	8.1	-13.7	-7.0	-7.2	13.1	9.1	6.3	5.7	6.3	7.6
17.2	-8.3	12.0	8.8	3.0	-11.1	-7.1	-14.4	7.7	7.6	-21.3	-7.4	-6.9	11.0	10.3	6.6	5.8	6.2	7.3
17.4	-9.2	8.1	9.0	7.5	-13.9	-7.1	-11.4	8.4	7.2	15.5	-8.0	-6.7	-9.7	12.0	6.9	5.8	6.0	7.0
17.6	-10.6	7.6	11.8	7.3	-25.2	-7.2	-9.8	9.3	7.0	12.1	-8.7	-6.7	-8.7	15.0	6.9	5.9	6.8	6.8
17.8	-13.0	7.4	15.2	7.2	14.7	-7.6	-8.8	10.7	7.0	10.3	-9.8	-6.7	-8.0	36.5	8.0	6.1	5.9	6.6
18.0	-13.7	7.3	21.2	7.3	11.6	-8.1	-8.1	12.9	7.1	9.1	-11.4	-6.9	-7.5	-15.1	8.8	6.3	5.8	6.4
18.2	16.2	7.3	-21.2	7.6	9.9	-8.9	-7.6	18.0	7.3	8.3	-14.0	-7.2	-7.2	-12.1	9.8	6.6	5.8	6.3
18.4	12.3	7.6	-13.5	8.0	8.8	-10.0	-7.3	-17.0	7.7	7.8	-22.4	-7.6	-6.9	-10.5	11.2	6.9	5.9	6.1
18.6	10.3	8.0	-11.7	8.7	8.1	-11.7	-7.2	-12.6	8.3	7.4	15.5	-8.2	-6.8	-9.3	13.4	7.3	6.0	6.0
18.8	9.1	8.7	-9.6	9.8	7.7	-14.9	-7.3	-10.6	9.1	7.2	12.2	-9.0	-6.8	-8.5	18.2	7.9	6.1	5.9
19.0	8.3	9.8	-8.0	11.4	7.4	24.5	-7.5	-9.3	10.3	7.1	10.2	-10.1	-6.9	-7.5	18.2	8.6	6.3	5.9
19.2	7.8	11.3	-7.6	14.2	7.4	14.1	-7.9	-8.5	12.2	7.2	9.2	-11.7	-7.1	-7.5	13.5	9.5	6.5	5.9
19.4	7.5	14.1	-7.4	27.7	7.4	11.4	-8.4	-7.9	15.7	7.4	8.4	-14.5	-7.4	-7.2	11.4	10.7	6.9	6.0
19.6	7.4	15.8	-7.5	-14.7	7.7	9.9	-9.3	-7.6	-21.1	7.7	7.9	-25.8	-7.8	-7.0	10.0	12.4	7.3	6.0
19.8	7.5	17.9	-7.6	-11.7	8.1	8.9	-10.6	-7.4	-13.8	8.3	7.5	15.2	-8.4	-7.4	9.0	15.5	7.8	6.2
20.0	7.8	19.0	-7.9	-10.0	8.8	8.2	-12.6	-7.3	-11.3	9.0	7.3	12.1	-8.4	-7.8	8.3	30.9	8.4	6.3
20.2	8.2	20.1	-8.5	-9.0	9.9	7.8	-15.8	-7.5	-9.9	10.1	7.2	10.4	-10.4	-7.0	7.8	-15.3	9.2	6.6
20.4	8.9	21.4	-9.4	-8.3	11.4	7.5	-18.6	-7.8	-8.9	11.8	7.3	9.3	-12.1	-7.2	7.8	-12.4	10.2	6.6
20.6	10.0	23.3	-10.6	-7.9	14.1	7.5	13.2	-8.2	-8.2	14.6	7.4	8.5	-15.2	-7.6	7.2	-10.7	11.7	7.2
20.8	11.5	27.0	-12.6	-7.6	23.3	7.6	11.0	-8.9	-7.6	29.3	7.8	8.0	28.0	-8.0	7.0	-9.6	14.0	7.7
21.0	14.4	30.0	-16.9	-7.6	-7.7	7.9	9.7	-9.9	-7.6	-15.0	8.3	7.6	14.8	-8.7	8.2	-8.2	19.2	8.2
21.2	17.0	33.0	-21.0	-7.7	15.3	7.9	8.8	-11.4	-7.5	-12.0	9.0	7.4	12.0	-9.6	7.0	-8.2	17.9	8.9
21.4	20.0	36.0	-25.4	-7.9	23.3	7.6	8.8	-14.0	-7.5	-10.3	10.0	7.3	10.4	-8.6	7.0	-8.2	14.0	9.9
21.6	23.0	39.0	-30.0	-8.0	-10.3	9.0	7.8	-21.6	-7.7	-9.3	11.5	7.4	9.3	-12.7	7.4	-7.7	-13.6	9.9
21.8	26.0	42.0	-35.0	-8.5	-9.2	10.1	7.6	-21.6	-7.7	-8.5	14.0	7.5	8.6	-16.2	7.8	-7.2	-11.5	11.1
22.0	29.0	45.0	-40.0	-9.0	-8.5	11.6	7.6	15.8	-8.1	-7.7	16.5	7.8	8.1	-19.0	8.3	-7.1	-9.3	16.3
22.2	32.0	48.0	-45.0	-10.3	-8.0	14.4	7.6	12.4	-8.7	-8.0	21.2	7.8	8.1	-21.7	9.0	-8.6	-8.6	24.3
22.4	35.0	51.0	-50.0	-12.0	-7.8	17.8	8.1	9.4	-10.7	-7.6	-16.1	8.3	7.7	-24.3	9.9	-8.0	-8.0	38.0
22.6	38.0	54.0	-55.0	-15.2	-7.7	21.2	8.1	8.7	-12.6	-7.6	-10.8	9.0	7.5	-27.0	11.2	-7.3	-7.7	54.0
22.8	41.0	57.0	-60.0	-18.1	-7.8	25.3	8.6	8.7	-16.3	-7.7	-9.6	11.4	7.4	-29.7	13.3	-7.6	-7.7	78.0
23.0	44.0	60.0	-65.0	-21.0	-8.0	29.3	10.4	7.9	-20.5	-8.0	-8.8	13.7	7.6	-32.4	17.7	-8.0	-7.2	109.0
23.2	47.0	63.0	-70.0	-24.0	-8.5	33.3	12.1	7.7	-25.0	-8.5	-8.2	16.3	7.6	-35.1	24.3	-8.0	-7.2	149.0
23.4	50.0	66.0	-75.0	-27.0	-9.2	37.3	15.2	7.7	-30.0	-9.2	-7.9	19.3	7.9	-37.8	34.3	-8.5	-7.1	200.0
23.6	53.0	69.0	-80.0	-30.0	-10.2	41.3	18.5	7.9	-35.0	-9.9	-7.7	22.8	8.4	-40.5	47.3	-9.3	-7.2	260.0
23.8	56.0	72.0	-85.0	-33.0	-11.8	45.3	22.5	7.9	-40.0	-10.8	-7.7	26.3	9.1	-43.2	64.3	-10.3	-7.3	340.0
								8.3	45.0	-11.8	-7.7	30.0	9.1	-45.9	87.3	-11.8	-7.5	450.0

TABLE I. — Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
24.0	-12.5	-8.1	13.6	7.9	-25.1	77.9	11.9	8.9	8.5	-14.4	7.8	-9.9	11.4	7.5	9.3	-14.1	-7.8	-7.4
24.2	-16.1	-7.9	19.5	7.9	15.4	-8.1	-10.3	9.7	8.1	-22.8	-8.0	-9.0	13.5	7.7	8.6	-20.0	-8.2	-7.2
24.4	21.0	-7.9	-16.8	8.0	12.2	-8.6	-9.3	10.9	7.9	15.9	-8.4	-8.4	18.4	8.0	8.1	17.3	-9.6	-7.3
24.6	14.0	-8.1	-12.8	8.3	10.6	-9.3	-8.7	12.8	7.8	12.5	-9.0	-8.0	-18.0	8.5	7.8	13.3	-10.8	-7.4
24.8	11.6	-8.4	-10.9	8.9	9.5	-10.3	-8.2	16.8	7.9	10.8	-9.9	-7.8	-13.5	9.1	7.6	11.3	-15.2	-8.0
25.0	10.2	-9.0	-9.7	9.7	8.8	-11.8	-8.0	-19.9	8.2	9.7	-11.2	-7.7	-11.4	10.1	7.6	10.1	-16.2	-8.5
25.2	9.2	-9.9	-9.0	10.8	8.3	-14.4	-7.9	-13.9	8.6	8.9	-13.3	-7.8	-10.1	11.4	7.6	9.2	-17.2	-9.2
25.4	8.6	-11.2	-8.4	12.7	8.1	-23.2	-8.0	-11.6	9.2	8.4	-17.8	-8.0	-9.2	13.5	7.8	8.6	-18.2	-9.8
25.6	8.3	-13.3	-8.1	15.3	8.0	15.8	-8.3	-10.2	10.2	8.1	-18.6	-8.4	-8.6	18.1	8.1	8.2	-19.2	-10.0
25.8	8.1	-17.9	-8.0	18.1	8.4	12.5	-8.7	-9.3	11.6	7.9	-13.6	-8.9	-8.2	-18.6	8.6	7.9	-20.2	-10.3
26.0	8.1	-14.1	-8.1	14.1	8.4	10.8	-9.4	-8.7	13.9	7.9	-11.5	-9.7	-7.9	-13.7	9.3	7.7	-21.2	-11.3
26.2	8.2	13.4	-8.3	-11.7	8.8	9.7	-10.5	8.3	19.9	8.1	10.2	-10.9	-7.8	-11.6	10.2	7.6	-22.2	-13.1
26.4	8.2	11.3	-8.3	-10.3	9.5	8.9	-12.0	-8.0	-13.1	8.9	9.3	-12.7	-7.9	-10.3	11.5	7.9	-23.2	-16.6
26.6	9.2	10.0	-9.5	-8.7	10.6	8.5	-14.8	-8.2	-11.1	9.7	8.3	-15.9	-8.0	-9.4	13.6	7.9	-24.2	-22.6
26.8	10.1	9.2	-10.5	-8.7	12.2	8.2	-17.1	-8.2	-9.1	10.8	8.0	-17.0	-8.4	-8.7	18.2	8.2	-25.2	-34.9
27.0	11.4	8.6	-12.0	-8.4	15.2	8.1	-15.7	-8.5	-7.0	12.5	8.0	-12.2	-9.6	-8.0	-13.9	8.7	-26.2	-54.8
27.2	13.5	8.3	-14.8	-8.2	-38.6	8.2	12.5	-8.9	-9.1	10.8	8.1	-10.6	-10.7	-8.0	-10.4	9.4	-27.2	-108.8
27.4	17.4	8.2	-15.7	-8.2	-15.2	8.4	10.8	-9.7	-8.6	15.7	8.1	-10.6	-10.7	-7.9	-11.7	10.3	-28.2	-218.8
27.6	23.9	8.4	12.5	-8.3	-12.3	8.9	9.7	-10.8	-8.3	-26.2	8.3	-19.6	-12.2	-7.9	-10.4	11.7	-29.2	-518.8
27.8	34.4	8.3	10.8	-8.7	-10.7	9.6	9.0	-12.4	-8.1	-15.0	8.8	-12.7	-14.2	-8.1	-9.5	13.8	-30.2	-1118.8
28.0	51.1	9.5	9.3	-9.3	-9.7	10.6	8.6	-15.5	-8.1	-12.3	9.4	-8.5	-14.2	-8.4	-8.8	18.5	-31.2	-2418.8
28.2	78.6	10.4	8.6	-10.1	-9.0	12.1	8.3	-18.8	-8.3	-10.7	10.3	-8.2	-16.1	-8.9	-8.4	-18.7	-32.2	-5418.8
28.4	118.1	11.9	8.6	-11.4	-8.3	14.8	8.2	-25.1	-8.7	-9.7	11.7	-8.1	-12.8	-9.5	-8.1	-13.9	-33.2	-9818.8
28.6	174.6	14.4	8.4	-13.5	-8.3	24.0	8.3	-38.3	-9.2	-9.0	13.9	-8.1	-11.1	-10.5	-8.0	-10.5	-34.2	-19818.8
28.8	258.1	18.4	8.4	-17.9	-8.3	-15.9	8.5	-58.3	-10.0	-8.6	19.0	-8.3	-10.0	-11.9	-8.0	-10.5	-35.2	-41818.8
29.0	384.6	21.5	6.3	-18.7	-8.4	-12.7	9.0	-89.7	-11.2	-8.2	-17.9	-8.6	-9.2	-14.2	-8.1	-9.6	-36.2	-8818.8
29.2	558.1	-16.5	8.4	-13.7	-8.7	-11.0	9.6	-131.1	-13.1	-8.2	-13.6	-9.2	-8.7	-20.1	-8.4	-8.9	-37.2	-18818.8
29.4	818.6	-12.9	8.7	-11.6	-9.2	-19.9	10.6	-168.8	-16.8	-8.3	-11.5	-9.9	-8.4	-17.5	-8.9	-8.5	-38.2	-41818.8
29.6	1181.1	-11.1	9.2	-10.3	-9.9	-9.2	12.1	-214.1	-21.1	-8.5	-10.3	-11.1	-8.2	-13.5	-9.5	-8.2	-39.2	-91818.8
29.8	1681.6	-9.3	11.1	-8.9	-8.7	-8.4	14.7	-283.3	-28.3	-8.9	-9.4	-12.8	-8.2	-11.5	-10.4	-8.2	-40.2	-19818.8
30.0	2311.1	-8.8	12.8	-8.5	-11.0	-8.4	23.1	-384.3	-38.4	-9.5	-8.9	-16.0	-8.3	-10.3	-11.7	-8.1	-41.2	-41818.8
30.2	3081.6	-8.8	16.1	-8.4	-16.1	-8.4	-16.2	-514.3	-51.4	-10.4	-8.5	-25.3	-8.6	-9.5	-13.8	-8.2	-42.2	-91818.8
30.4	4081.1	-8.5	23.8	-8.4	-23.8	-8.4	-11.9	-714.3	-71.4	-11.8	-8.3	-15.1	-9.0	-8.9	-18.9	-8.5	-43.2	-19818.8
30.6	5481.6	-8.5	34.9	-8.6	-34.9	-8.7	-11.1	-984.3	-98.4	-14.0	-8.3	-12.9	-9.7	-8.5	-28.9	-8.9	-44.2	-41818.8
30.8	7381.1	-8.8	48.2	-8.6	-48.2	-9.1	-10.0	-1334.3	-133.4	-18.2	-8.4	-10.9	-10.7	-8.2	-41.9	-9.5	-45.2	-91818.8
31.0	9981.6	-9.2	66.1	-9.0	-66.1	-9.3	-9.3	-1814.3	-181.4	-24.9	-8.7	-9.2	-12.1	-8.2	-61.9	-9.5	-46.2	-19818.8
31.2	13481.1	-10.0	91.1	-9.6	-91.1	-10.5	-8.5	-2494.3	-249.4	-34.9	-9.9	-8.7	-14.5	-8.5	-81.9	-9.7	-47.2	-41818.8
31.4	18181.6	-11.0	124.1	-9.1	-124.1	-12.5	-8.4	-3414.3	-341.4	-48.1	-11.0	-8.5	-17.2	-8.9	-111.9	-9.1	-48.2	-91818.8
31.6	24481.1	-12.7	168.1	-8.7	-168.1	-15.3	-8.4	-4684.3	-468.4	-66.1	-12.6	-8.4	-20.4	-9.5	-148.9	-9.5	-49.2	-19818.8
31.8	32881.6	-14.7	228.1	-8.5	-228.1	-21.9	-8.5	-6484.3	-648.4	-91.9	-14.4	-8.4	-23.4	-9.5	-201.9	-9.5	-50.2	-41818.8
32.0	44481.1	-17.9	308.1	-8.2	-308.1	-30.8	-8.5	-8984.3	-898.4	-124.9	-16.0	-8.3	-26.4	-9.5	-268.9	-9.5	-51.2	-91818.8
32.2	59881.6	-21.1	408.1	-8.2	-408.1	-42.7	-8.5	-12184.3	-1218.4	-168.9	-18.3	-8.3	-29.4	-9.5	-358.9	-9.5	-52.2	-19818.8
32.4	79881.1	-24.9	538.1	-8.2	-538.1	-58.3	-8.5	-16484.3	-1648.4	-224.9	-20.3	-8.2	-32.4	-9.5	-478.9	-9.5	-53.2	-41818.8
32.6	106881.6	-29.1	708.1	-8.2	-708.1	-78.3	-8.5	-22184.3	-2218.4	-294.9	-22.3	-8.1	-35.4	-9.5	-638.9	-9.5	-54.2	-91818.8
32.8	142881.1	-34.1	938.1	-8.2	-938.1	-104.3	-8.5	-29684.3	-2968.4	-384.9	-24.3	-8.1	-38.4	-9.5	-868.9	-9.5	-55.2	-19818.8
33.0	190881.6	-40.1	1248.1	-8.2	-1248.1	-138.3	-8.5	-39684.3	-3968.4	-504.9	-26.3	-8.1	-41.4	-9.5	-1148.9	-9.5	-56.2	-41818.8
33.2	254881.1	-47.1	1648.1	-8.2	-1648.1	-184.3	-8.5	-53684.3	-5368.4	-664.9	-28.3	-8.1	-44.4	-9.5	-1518.9	-9.5	-57.2	-91818.8
33.4	340881.6	-55.1	2188.1	-8.2	-2188.1	-244.3	-8.5	-73684.3	-7368.4	-884.9	-30.3	-8.1	-47.4	-9.5	-1988.9	-9.5	-58.2	-19818.8
33.6	454881.1	-64.1	2948.1	-8.2	-2948.1	-324.3	-8.5	-99684.3	-9968.4	-1184.9	-32.3	-8.1	-50.4	-9.5	-2638.9	-9.5	-59.2	-41818.8
33.8	604881.6	-74.1	3948.1	-8.2	-3948.1	-434.3	-8.5	-133684.3	-13368.4	-1584.9	-34.3	-8.1	-53.4	-9.5	-3538.9	-9.5	-60.2	-91818.8
34.0	804881.1	-86.1	5248.1	-8.2	-5248.1	-584.3	-8.5	-180684.3	-18068.4	-2144.9	-36.3	-8.1	-56.4	-9.5	-4688.9	-9.5	-61.2	-19818.8
34.2	1074881.6	-99.1	6948.1	-8.2	-6948.1	-784.3	-8.5	-240684.3	-24068.4	-2844.9	-38.3	-8.1	-59.4	-9.5	-6288.9	-9.5	-62.2	-41818.8
34.4	1444881.1	-114.1	9148.1	-8.2	-9148.1	-1044.3	-8.5	-318684.3	-31868.4	-3744.9	-40.3	-8.1	-62.4	-9.5	-8588.9	-9.5	-63.2	-91818.8
34.6	1944881.6	-131.1	12048.1	-8.2	-12048.1	-1384.3	-8.5	-420684.3	-42068.4	-4944.9	-42.3	-8.1	-65.4	-9.5	-11488.9	-9.5	-64.2	-19818.8
34.8	2604881.1	-151.1	15948.1	-8.2	-15948.1	-1844.3	-8.5	-558684.3	-55868.4	-6544.9	-44.3	-8.1	-68.4	-9.5	-15488.9	-9.5	-65.2	-41818.8
35.0	3484881.6	-174.1	21448.1	-8.2	-21448.1	-2444.3	-8.5	-758684.3	-75868.4	-8844.9	-46.3	-8.1	-71.4	-9.5	-20488.9	-9.5	-66.2	-91818.8
35.2	4644881.1	-201.1	28448.1	-8.2	-28448.1	-3244.3	-8.5	-1028684.3	-102868.4	-11844.9	-48.3	-8.1	-74.4	-9.5	-27488.9	-9.5	-67.2	-19818.8
35.4	6144881.6	-231.1	37448.1	-8.2	-37448.1	-4344.3	-8.5	-1388684.3	-138868.4	-15844.9	-50.3	-8.1	-77.4	-9.5	-36488.9	-9.5	-68.2	-41818.8
35.6	8044881.1	-264.1	49448.1	-8.2	-49448.1	-5844.3	-8.5	-1868684.3	-186868.4	-21444.9	-52.3	-8.1	-80.4	-9.5	-48488.9	-9.5	-69.2	-91818.8
35.8	10644881.6	-301.1	65448.1	-8.2	-65448.1	-7844.3	-8.5	-2508684.3	-250868.4	-28444.9	-54.3	-8.1	-83.4	-9.5	-64488.9	-9.5	-70.2	-19818.8
36.0	14244881.1	-341.1	86448.1	-8.2	-86448.1	-10444.3	-8.5	-3308684.3	-330868.4	-37444.9	-56.3	-8.1	-86.4	-9.5	-86488.9	-9.5	-71.2	-41818.8
36.2	19044881.6	-391.1	11448.1	-8.2	-11448.1	-13844.3	-8.5	-4308684.3	-430868.4	-49444.9	-58.3	-8.1	-89.4	-9.5	-114488.9	-9.5	-72.2	-91818.8
36.4	25444881.1	-441.1	15448.1	-8.2	-15448.1	-18444.3	-8.5	-5708684.3	-570868.4	-65444.9	-60.3	-8.1	-92.4	-9.5	-154488.9	-9.5	-73.2	-19818.8
36.6	34044881.6	-491.1	20448.1	-8.2	-20448.1	-24444.3	-8.5	-7508684.3	-750868.4	-88444.9	-62.3	-8.1	-95.4	-9.5	-204488.9	-9.5	-74.2	-41818.8
36.8	45444881.1	-551.1	27448.1	-8.2	-27448.1	-32444.3	-8.5	-9908684.3	-990868.4	-118444.9	-64.3	-8.1	-98.4	-9.5	-274488.9	-9.5	-75.2	-91818.8
37.0	60444881.6	-611.1	36448.1	-8.2	-36448.1	-43444.3	-8.5	-13108684.3	-1310868.4	-158444.9	-66.3	-8.1	-101.4	-9.5	-364488.9	-9.5	-76.2	-19818.8
37.2	80444881.1	-681.1	48448.1	-8.2	-48448.1	-58444.3	-8.5	-17408684.3	-1740868.4	-21								

TABLE I. - Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
32.0	8.6	-15.8	-8.5	20.4	8.5	15.8	-8.8	-11.2	10.0	9.0	15.4	8.4	-11.5	10.4	8.4	14.6	9.5	-8.3
32.5	8.7	13.7	-8.8	-12.3	9.2	10.5	-10.3	9.1	14.0	8.5	14.1	8.4	-9.2	15.1	8.4	10.3	-12.4	-8.2
33.0	10.1	10.0	-10.4	-8.6	11.5	8.9	15.0	-8.5	-15.6	9.0	10.1	9.4	-8.7	-14.5	8.4	8.8	22.2	-9.0
33.5	14.3	8.8	-15.3	-8.6	22.9	8.6	14.4	-9.0	-10.5	10.8	8.6	12.2	-10.0	-10.3	12.0	8.9	11.7	10.9
34.0	-15.2	8.8	14.2	-8.9	-12.2	9.4	10.2	-10.9	-8.9	16.8	9.4	9.5	-13.7	8.8	30.5	8.9	19.4	-16.7
34.5	-10.5	10.0	10.2	-10.5	-9.5	12.0	8.9	-17.4	-8.6	-13.4	8.6	12.2	-10.0	-8.8	12.0	10.5	8.5	13.8
35.0	-9.0	13.6	8.9	-15.3	-8.7	28.2	8.7	13.2	-9.4	-10.0	12.0	8.7	16.6	-9.2	-9.5	15.0	8.6	10.2
35.5	-8.8	-16.5	8.8	14.3	-9.0	-11.9	9.7	9.9	-11.8	-8.8	-49.2	8.8	10.9	-11.2	-8.6	-15.0	9.6	8.8
36.0	-9.8	-10.8	10.0	10.3	-10.7	19.5	12.7	8.8	-24.7	-8.8	-12.0	10.1	9.1	-18.0	-8.7	-10.6	12.2	8.5
36.5	-12.7	-9.2	13.3	9.0	-15.8	8.8	-15.9	8.9	12.2	-9.9	9.6	13.7	8.7	13.3	-9.9	9.0	30.8	9.0
37.0	19.6	-8.8	-17.5	8.9	14.1	-9.2	-11.5	10.1	9.7	-13.0	-8.8	-16.7	9.2	10.0	13.0	-8.6	-29.7	10.7
37.5	11.4	-9.7	-11.1	10.0	10.3	-11.0	-9.4	13.7	8.8	18.9	9.0	-11.0	11.1	8.9	19.4	9.2	-9.7	15.5
38.0	9.4	-12.3	-9.3	13.3	9.0	-16.9	-8.9	13.7	9.1	11.4	-10.5	9.3	17.1	8.8	11.5	-11.0	-8.8	-14.9
38.5	8.0	24.9	-8.9	-17.8	9.0	13.7	-9.4	-11.1	10.6	9.4	-14.8	-8.8	-13.7	9.8	9.5	-16.5	-8.8	-10.7
39.0	9.5	11.9	-9.7	-11.2	10.2	10.2	-11.4	-9.3	15.2	8.9	15.3	-9.4	-10.3	12.5	8.8	14.2	-9.9	-19.1
39.5	11.7	9.6	-12.1	-9.4	13.5	9.1	-18.9	-8.9	-14.9	9.4	10.7	-11.4	-9.0	-24.2	9.1	10.4	-12.7	-8.7
40.0	21.3	9.0	-29.7	-9.0	-17.5	9.1	13.1	-9.7	10.6	11.3	9.2	-18.6	9.8	-12.0	10.6	9.1	22.4	-9.3
40.5	-12.7	9.5	12.3	-9.7	-11.3	10.4	10.1	-12.0	-9.2	18.0	9.0	13.3	-9.9	9.7	14.8	8.9	12.0	11.0
41.0	-10.0	11.4	-9.8	-12.1	-9.5	14.0	-9.1	-24.2	-9.1	-13.5	9.8	10.2	-12.7	-9.2	-15.6	9.6	9.7	-16.0
41.5	-9.1	18.4	9.1	-25.9	-9.1	-16.7	9.3	12.5	-10.0	-10.3	12.3	9.1	22.3	-9.2	-10.9	11.9	8.9	-14.8
42.0	-9.4	13.4	9.5	12.5	-9.8	-11.2	-10.6	9.9	-12.8	9.2	32.9	9.2	12.0	-10.7	-9.4	20.9	9.1	10.7
42.5	-16.2	-10.2	11.3	9.9	-12.2	-9.5	14.8	9.1	21.7	-9.2	-12.4	10.3	9.8	-14.8	-9.0	-13.0	10.4	9.3
43.0	14.5	-9.4	-13.9	9.5	27.8	-9.2	-15.8	9.4	12.0	-10.4	9.9	13.6	9.1	15.9	-9.7	-10.2	13.9	9.0
43.5	10.6	-10.8	-10.5	11.3	10.0	-12.5	-9.5	15.9	9.8	-13.9	-9.1	-18.1	9.4	11.1	11.7	-9.2	17.7	9.6
44.0	9.4	-15.1	-9.3	-17.0	-9.2	29.0	-9.2	-14.8	9.6	11.4	-11.0	-11.5	15.9	9.5	13.4	-10.3	11.5	11.6
44.5	9.4	15.5	-9.4	14.1	9.6	12.4	-10.2	-10.8	11.5	9.6	15.7	-9.7	-14.9	9.1	10.4	-13.3	-9.1	-13.9
45.0	10.5	11.0	-10.7	-10.6	11.4	10.0	-12.9	9.4	17.9	9.2	15.1	9.8	-10.9	12.0	9.3	20.0	-9.5	-10.5
45.5	14.0	9.5	-14.6	-9.4	17.1	9.3	22.2	-9.3	-13.8	9.9	10.9	-11.8	-9.5	21.2	9.3	12.0	-11.2	-9.3
46.0	-17.3	9.4	16.3	-9.5	-14.2	9.7	12.1	-10.4	-10.5	12.2	9.5	-19.0	-9.3	12.0	10.4	9.9	16.1	9.2
46.5	10.5	10.4	11.2	-10.7	10.7	11.5	10.0	-13.5	-9.4	22.5	9.3	13.6	-10.2	-10.3	13.5	9.2	15.0	-10.1
47.0	-9.7	13.4	9.7	-14.4	-9.5	17.6	9.3	19.1	-9.5	-13.0	10.3	10.5	-12.8	-9.4	-19.5	9.6	11.2	12.6
47.5	-9.4	-19.5	9.4	16.8	-9.5	-14.0	9.9	11.9	-10.7	-10.3	13.1	9.4	25.4	9.5	11.9	11.2	9.6	-28.8
48.0	-10.2	-11.9	10.3	11.4	-10.8	-10.7	11.8	9.9	-14.4	-9.4	-22.2	9.5	12.5	-10.8	-9.9	16.0	9.3	12.8
48.5	-12.8	-9.0	13.1	9.8	-14.5	-9.5	18.8	9.4	17.1	-9.7	-12.3	10.8	10.1	-14.4	-9.3	-15.2	10.4	10.3
49.0	27.1	-9.5	-21.8	9.5	16.9	-9.6	-13.7	10.0	11.5	-11.2	-10.1	14.3	9.4	17.3	-9.8	-11.1	12.1	9.4
49.5	12.5	-10.1	-12.2	10.3	11.5	-10.9	-10.6	12.2	9.8	-15.7	-9.4	-17.4	9.8	11.6	-11.6	-9.7	23.1	9.5
50.0	10.2	-12.4	-10.1	13.0	9.8	-14.7	-9.6	21.2	9.5	15.5	-9.9	-11.6	11.4	9.9	-17.1	-9.4	13.2	10.8
50.5	9.5	-23.1	-9.5	-24.1	9.5	16.7	-9.7	-13.3	10.3	11.2	-11.7	-9.9	16.3	9.4	14.6	-10.2	10.4	14.2
51.0	10.0	13.1	-10.1	-12.5	10.4	11.5	-11.1	-10.5	12.7	9.8	-17.7	9.5	-15.1	10.1	10.9	-12.7	-9.5	-18.1

TABLE I. - Continued

BESSEL FUNCTIONS OF ORDER 0 TO 17

BESSEL FUNCTION ORDER

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
52.0	11.9	10.4	-12.1	-10.2	13.0	9.9	15.2	9.6	30.7	9.6	14.3	-10.2	11.1	12.2	9.7	-27.3	9.6	11.9
52.5	18.7	9.6	-20.2	-9.6	-25.0	9.6	16.2	-9.8	-12.9	10.5	10.9	-12.4	-9.7	20.6	9.6	13.0	10.9	10.0
53.0	-14.0	9.9	13.6	-10.1	-12.6	10.5	11.4	-11.3	10.4	13.4	9.7	-22.6	-9.6	-13.6	10.6	10.4	-14.4	9.5
53.5	-10.8	11.6	10.6	-12.0	-10.3	13.1	9.9	-15.9	-9.6	-21.5	9.7	13.3	-10.6	10.6	13.4	9.6	17.9	11.8
54.0	-9.7	17.0	9.7	-19.2	-9.6	-24.0	9.7	15.5	10.0	-12.4	10.9	10.6	-13.4	9.7	21.8	9.8	11.9	-17.4
54.5	-9.9	-14.8	9.9	13.9	-10.1	-12.6	10.6	11.3	-11.7	-10.3	14.3	9.7	21.8	9.8	12.5	11.2	10.1	14.7
55.0	-11.3	-11.1	11.4	10.8	-18.9	-9.7	13.4	9.9	-17.1	-9.7	-18.0	11.4	12.5	-14.8	9.6	-16.6	10.1	11.1
55.5	-15.5	-9.8	16.1	9.9	-18.0	-10.2	12.5	10.8	11.1	-10.2	-11.9	11.4	10.3	-14.8	10.1	-11.6	12.1	9.8
56.0	16.1	-9.9	-15.5	9.9	14.1	-10.2	10.3	13.8	9.9	-19.0	-9.7	-16.0	10.1	17.2	11.8	10.0	18.6	9.7
56.5	11.5	-11.1	11.3	11.4	10.9	-12.1	10.3	13.8	9.9	-19.0	-9.7	-16.0	10.1	17.2	11.8	10.0	18.6	9.7
57.0	10.0	-14.7	-10.0	15.7	9.8	-19.1	-9.7	-20.0	9.9	14.1	-10.4	-11.5	12.0	10.1	17.2	-9.7	14.3	10.6
57.5	9.8	17.4	-9.9	-16.0	10.0	14.1	12.3	-12.3	11.0	10.9	-12.7	-10.0	18.0	9.7	14.9	-10.4	11.0	13.6
58.0	10.8	11.9	-11.0	-11.5	11.4	10.9	12.3	-10.3	14.4	9.9	-23.4	9.8	14.5	10.5	11.2	-12.7	-9.9	-24.7
58.5	13.8	10.2	-14.2	-10.1	15.5	9.9	-19.9	-9.8	-18.3	11.0	13.4	9.8	14.5	10.5	11.2	-12.7	-9.9	-24.7
59.0	-20.2	9.9	18.8	-9.9	-16.3	10.0	13.9	-10.4	-12.1	11.3	10.7	-13.4	-9.9	12.7	9.9	13.5	-10.9	-10.5
59.5	-12.4	10.7	12.2	-10.9	-11.6	11.4	10.9	-12.5	-9.9	15.2	9.9	23.6	-9.9	-13.4	10.9	10.8	-14.0	-9.8
60.0	-10.4	13.3	10.3	-13.9	-10.1	15.6	9.9	-21.5	-9.9	-16.9	10.1	12.8	-11.1	12.7	9.9	10.8	-14.0	-9.8
60.5	-9.9	-25.0	9.9	20.0	-9.9	-16.3	10.1	13.7	-10.6	-11.8	11.7	10.5	-14.4	9.9	10.9	9.9	19.9	10.1
61.0	-10.5	-12.3	10.6	-12.4	-10.9	11.5	11.5	10.9	-25.5	-9.9	-15.7	10.3	18.6	-10.1	12.6	11.4	10.4	-16.1
61.5	-12.8	-10.6	13.0	10.4	-13.8	10.2	15.9	10.0	13.4	10.8	-15.5	12.1	10.4	-11.6	10.5	15.4	9.9	16.0
62.0	-23.1	-9.9	27.8	-9.9	20.9	-10.9	-16.1	10.2	13.4	-10.8	10.2	18.2	9.9	15.9	9.9	-16.8	10.3	11.6
62.5	13.6	-10.4	-13.3	12.6	12.6	-10.9	-11.7	11.7	-25.5	-9.9	-15.5	12.1	10.4	-15.9	9.9	16.8	10.3	11.6
63.0	10.9	-12.4	-10.8	12.8	10.5	-13.9	-10.2	16.4	10.0	-13.4	-10.0	-14.7	10.6	16.2	10.4	-11.9	12.2	10.2
63.5	10.0	-19.5	-10.4	-13.6	10.0	21.1	10.0	-15.8	10.3	26.0	-10.0	-14.7	10.6	11.7	12.2	-10.3	18.2	9.9
64.0	10.3	14.2	-10.4	-13.6	10.6	12.6	11.0	-11.6	12.0	13.0	-11.0	-11.3	12.8	10.2	18.5	-9.9	-14.7	10.7
64.5	12.0	11.1	-12.2	-10.9	12.7	10.6	-14.0	10.2	17.2	10.0	-14.0	-11.3	12.8	10.2	14.6	-10.7	-11.3	13.2
65.0	17.3	10.1	-18.0	-10.1	21.8	10.0	20.6	-10.1	15.3	10.4	20.6	-10.1	13.8	10.9	11.9	-13.1	10.1	13.0
65.5	-15.2	10.3	14.8	-10.4	-13.8	10.6	12.6	-11.2	11.5	12.3	10.6	-14.9	10.1	-24.8	10.1	13.5	-11.2	10.9
66.0	-11.5	11.7	11.4	-12.0	-11.0	12.7	10.6	-14.3	10.2	18.4	10.1	18.1	10.3	-13.0	11.3	10.9	-14.3	10.0
66.5	-10.2	-10.2	10.2	-17.3	-10.1	21.5	10.1	19.8	-10.2	-14.7	10.6	12.2	11.7	-10.8	14.7	10.1	19.9	-10.3
67.0	-16.2	10.3	15.3	15.3	-10.4	-13.9	10.7	12.5	11.3	-11.4	12.7	10.5	-16.1	10.1	-18.7	10.3	12.6	11.8
67.5	-11.4	-11.8	11.6	11.5	-12.0	-11.1	12.8	10.6	-14.7	-10.2	20.6	10.5	16.4	-10.5	12.4	11.8	10.6	-16.1
68.0	-15.0	-10.4	15.4	10.3	-16.9	-10.2	21.9	10.1	18.7	10.3	-14.2	10.8	11.9	-12.3	10.6	16.3	10.1	16.4
68.5	17.9	-10.2	-17.2	10.3	15.7	-10.4	-13.9	10.8	12.4	-11.5	-11.2	13.2	10.4	-18.0	10.8	-16.2	10.6	11.9
69.0	12.3	-11.3	-12.1	11.5	11.7	-12.0	11.1	13.0	10.6	-15.3	-10.2	26.4	10.2	15.1	10.1	-11.9	12.5	10.4
69.5	10.6	-14.3	-10.5	15.0	10.4	-16.8	10.2	23.2	10.2	17.6	-10.4	-13.6	11.1	11.5	12.9	10.4	19.2	10.2
70.0	10.2	20.0	-10.2	-18.1	10.3	15.8	-10.5	-13.8	10.9	12.2	-11.8	-11.0	13.9	10.3	14.1	-10.2	-14.6	11.0
70.5	11.0	12.7	-11.1	-12.3	11.4	11.8	12.0	-11.1	13.3	10.6	-16.1	-10.2	23.1	10.3	14.1	-11.1	11.4	13.5
71.0	13.7	10.7	-13.9	-10.6	14.8	10.4	-16.9	-10.3	26.8	10.2	16.6	-10.5	13.1	11.4	11.2	-13.8	-10.3	-39.8
71.5	-25.9	10.3	22.9	-10.3	-18.8	10.3	15.8	-10.5	-13.6	11.1	12.0	-12.2	10.9	14.8	10.3	24.7	-10.3	-13.5

TABLE I. -- Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
72.0	-13.3	10.9	13.1	-11.1	-12.5	11.4	11.8	-12.1	-11.1	13.6	10.5	-17.2	-10.2	-19.0	10.5	13.2	-11.5	-11.0
72.5	-11.0	13.2	10.9	-13.6	-10.7	14.7	10.5	-17.2	-10.3	-28.4	10.3	15.7	-10.7	-12.6	11.9	10.9	-15.0	-10.2
73.0	-10.3	24.6	10.3	27.8	-10.3	-19.2	10.4	15.7	-10.6	-13.4	11.2	11.8	-12.6	-10.7	16.0	10.3	18.6	-10.5
73.5	-10.8	-13.8	10.8	13.4	-11.0	-12.6	11.5	11.8	-12.3	-11.0	14.1	10.5	-12.6	-10.3	-16.8	10.7	12.5	-12.1
74.0	-12.7	-11.2	12.9	11.0	-13.5	-10.8	14.7	10.5	-17.7	-10.3	-22.4	10.4	14.8	-10.9	-12.1	12.4	10.7	-16.8
74.5	-19.8	-10.4	20.9	10.3	-31.8	-10.3	-19.3	10.4	15.4	-10.7	-13.1	11.5	11.5	-13.1	-10.6	10.3	10.3	16.1
75.0	14.6	-10.7	-14.3	10.8	13.6	-11.0	-12.7	11.6	-11.7	-12.6	-10.4	-13.7	10.4	-22.9	-10.4	-15.3	10.9	12.0
75.5	11.5	-12.4	-11.4	12.7	11.1	-13.4	-10.8	14.9	10.5	-18.7	-10.9	-12.8	10.5	14.1	-11.2	-11.7	13.1	10.6
76.0	10.6	-17.9	-10.4	19.4	10.4	-27.2	-10.4	-19.0	-10.5	15.0	-10.9	-12.8	11.8	-13.3	-13.8	10.5	22.2	10.4
76.5	15.4	15.4	-10.7	-14.8	10.8	13.8	-11.1	-12.7	11.7	11.6	-12.9	-10.9	15.5	10.4	25.8	-10.5	-14.2	11.3
77.0	12.0	11.8	-12.2	-11.6	12.6	11.2	-13.4	-10.8	15.2	10.5	-20.2	-10.4	-17.8	10.6	13.4	-11.6	-11.4	14.0
77.5	15.4	13.6	-16.8	-10.5	18.6	10.4	-26.7	-10.4	-18.5	10.6	14.6	-11.0	-12.4	12.1	11.1	-14.8	10.4	-23.8
78.0	-15.4	10.6	16.2	-10.6	-15.1	10.8	13.8	-11.1	-12.6	11.8	11.5	-13.2	10.8	16.6	10.4	19.6	-10.6	-13.3
78.5	-12.1	11.8	12.0	-12.0	-11.7	12.5	-13.4	-13.5	-10.8	-15.6	10.5	-23.0	10.4	-16.5	-12.6	12.8	-12.0	-11.1
79.0	-10.7	15.5	10.7	-16.2	-10.6	18.2	10.5	-28.3	-10.5	-17.8	10.7	14.2	11.2	-12.1	12.6	10.9	16.1	-10.8
79.5	-10.5	-18.0	10.6	14.9	-10.6	-15.4	-10.8	13.8	-11.2	-12.5	12.0	11.4	-13.7	-10.7	18.4	10.4	17.1	10.8
80.0	-11.6	-12.5	11.7	12.3	-11.9	-11.8	12.5	-11.3	-13.7	-10.8	16.2	10.5	34.4	-10.5	-15.4	11.1	12.3	-12.6
80.5	-14.6	-10.9	14.9	10.8	-15.8	-10.6	18.1	10.5	46.6	-10.5	-17.0	10.8	13.7	-11.5	-11.8	13.2	10.8	-18.3
81.0	20.4	-10.5	-19.5	10.6	17.5	-10.7	-15.5	10.9	13.7	-11.4	-12.3	12.3	11.3	-14.4	-10.6	21.7	10.5	15.5
81.5	13.0	-11.4	-12.9	11.6	12.4	-11.9	-11.9	12.6	11.3	-14.0	-10.8	17.0	10.5	23.0	-11.8	-14.4	11.3	11.9
82.0	11.0	14.1	-11.0	14.5	10.9	-15.6	-10.7	18.3	10.6	26.4	-10.6	-16.3	10.9	13.2	-11.8	-11.5	13.9	-10.7
82.5	10.6	24.8	-10.6	-21.2	10.6	18.0	-10.7	-15.5	-10.9	13.6	-11.5	-12.1	12.6	11.1	-15.2	-10.6	-28.2	10.6
83.0	11.2	13.5	-11.3	-13.1	11.5	12.6	-11.9	-11.9	12.7	11.3	-14.3	-10.8	18.3	10.5	19.0	-10.8	13.7	11.7
83.5	13.5	-11.2	-13.7	-11.1	14.3	-10.9	-15.6	-10.7	18.7	10.6	-22.8	-10.6	15.5	11.1	12.8	-12.2	11.3	14.9
84.0	24.7	10.6	-28.8	-10.6	-23.1	10.6	18.2	-10.7	-15.3	11.0	13.4	-11.7	-11.9	13.0	11.0	-16.4	-10.6	-19.9
84.5	-14.1	11.1	13.9	-11.2	-13.4	11.5	12.7	-12.0	-10.9	-15.1	11.2	-14.8	-10.7	-14.8	10.6	17.1	-12.7	-13.0
85.0	-11.5	13.1	-11.4	-13.4	-11.2	14.1	11.0	-15.6	-10.7	19.4	10.6	20.5	10.7	20.3	10.6	12.4	-12.7	-11.1
85.5	-10.7	20.5	10.7	-23.1	-10.6	-25.0	10.7	18.2	-10.8	-15.1	11.1	13.1	-11.9	-11.7	13.6	10.9	18.1	-10.6
86.0	-11.0	-14.8	11.0	14.3	-11.2	-13.6	11.5	12.7	-12.1	-11.8	13.1	11.1	15.4	-10.7	24.8	10.7	15.7	-11.2
86.5	-12.7	-11.7	12.8	-11.6	-13.2	-11.3	14.1	11.0	-15.8	-10.8	20.6	10.6	18.8	-10.8	-14.2	11.5	12.1	-13.3
87.0	-13.1	-10.7	18.7	10.7	-21.2	-10.7	-26.5	10.7	18.0	-10.8	-14.8	11.3	12.8	-12.2	11.6	14.2	10.8	-21.3
87.5	15.7	-10.3	-15.4	11.0	14.7	-11.2	-13.7	11.5	12.7	-12.2	-11.8	-11.7	10.7	-16.2	-10.7	-24.9	10.8	14.7
88.0	12.1	-12.4	-12.0	12.6	11.7	-13.1	-11.4	14.1	11.0	-16.1	-10.8	22.7	10.7	17.5	-11.0	-13.6	11.9	11.7
88.5	10.9	-16.9	-10.8	17.7	-20.3	-20.3	-10.7	-26.6	-10.7	17.6	-10.9	-14.5	11.4	12.6	-12.5	-11.4	15.1	10.7
89.0	10.9	15.7	-10.9	-16.0	14.9	14.9	-11.2	-13.7	11.6	12.6	-12.3	-11.7	13.8	11.0	-17.3	-10.7	-19.9	-10.9
89.5	12.1	12.4	-12.2	-12.2	12.5	11.8	-13.1	-11.0	-25.5	10.8	-16.6	-10.8	28.5	10.7	16.4	-11.1	-13.1	12.3
90.0	15.7	11.0	-10.9	-10.9	17.1	10.8	-19.9	-10.8	15.0	-17.6	17.1	-11.0	14.1	11.6	12.3	-13.0	-13.2	16.3
90.5	-13.3	10.8	17.8	-10.9	-16.6	11.0	15.1	-11.2	-13.7	11.7	12.5	-12.5	-11.6	14.3	10.9	-19.1	-10.7	-17.6
91.0	-12.8	-11.9	12.7	-12.0	-12.4	12.4	11.9	-13.1	-11.4	14.4	11.0	-17.2	-10.8	-25.1	10.8	15.4	-11.4	-12.6
91.5	-11.1	15.0	11.1	-15.5	-11.0	16.7	10.9	-19.8	-10.8	-23.8	10.8	16.5	-11.1	-13.7	11.9	12.0	-13.5	-11.1

TABLE I. - Continued
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
92.0	-10.8	-20.3	10.8	18.9	-10.9	-17.0	11.0	15.2	-11.3	-13.6	11.8	12.4	12.8	-11.5	14.9	10.9	-22.4	10.8
93.0	-14.3	-11.3	14.5	11.2	-15.2	16.6	10.9	10.9	-20.1	-10.8	-22.1	10.9	15.9	-19.6	13.8	12.1	11.8	14.2
94.0	13.8	-11.5	-13.6	11.6	13.2	-12.6	12.4	12.4	12.0	-13.3	-11.4	15.0	11.0	-11.0	-10.8	-18.7	11.1	13.9
95.0	10.9	-26.2	-10.9	-39.8	10.9	10.9	-17.4	-11.2	11.1	15.0	-11.4	-13.3	12.1	12.1	13.5	-11.2	16.8	10.8
96.0	13.3	11.7	-13.5	-11.6	13.9	14.8	-11.2	-11.2	16.6	11.0	21.6	-13.9	19.3	11.0	14.8	-11.6	-12.6	12.9
97.0	-15.1	11.3	14.9	-11.4	-14.3	13.5	11.9	11.9	-12.7	12.5	11.9	-13.7	11.3	16.1	11.0	-29.4	-10.9	-15.9
98.0	-11.0	18.5	11.0	-19.8	-13.0	13.7	10.9	22.2	-14.8	-17.2	17.2	14.6	11.6	-12.9	12.6	11.7	-14.6	11.1
99.0	-12.6	-12.3	12.7	12.1	-13.0	-14.7	11.2	11.5	-14.8	-11.2	17.2	11.0	28.2	-11.0	17.1	11.3	13.8	-12.2
100.0	17.0	-11.1	-16.7	11.2	15.8	-11.0	11.2	11.5	13.6	-12.0	-12.6	12.8	11.8	-14.4	11.2	18.2	11.0	19.8
101.0	11.2	-16.1	-11.2	16.7	11.1	-11.0	22.3	11.0	11.0	21.8	-11.1	-16.5	11.3	14.0	12.0	-12.4	13.3	11.4
102.0	12.1	13.0	-12.2	-12.8	12.4	-12.0	-12.0	-12.0	13.7	11.6	-15.1	-11.2	18.4	11.0	22.0	-11.1	15.4	11.6
103.0	-20.5	11.1	19.9	-11.1	-18.3	16.5	-11.3	-11.3	-14.9	11.6	-13.5	-12.2	12.4	13.3	11.6	-15.5	11.1	23.8
104.0	-11.5	14.6	11.5	-15.0	-11.4	11.2	-17.6	-17.6	-11.1	22.6	11.1	20.2	-11.2	-15.6	11.6	-11.1	-11.1	-12.0
105.0	-11.3	-13.9	11.8	13.7	-12.0	12.3	12.6	12.6	-12.9	-12.0	13.9	11.5	-15.8	-11.2	21.3	11.1	18.3	11.0
106.0	-26.3	-11.1	30.7	11.1	24.5	-19.7	11.2	11.2	16.8	-11.4	-14.8	11.8	13.3	-12.5	-12.2	14.0	11.4	-17.4
107.0	12.0	-13.5	-11.9	-14.9	11.8	-11.5	15.5	15.5	11.3	-17.7	-11.2	25.7	11.1	18.4	11.3	-14.7	11.9	12.8
108.0	11.5	15.2	-11.5	-14.8	11.7	-11.9	-13.5	-13.5	12.3	12.7	-13.0	-12.0	14.3	11.5	17.0	-11.2	29.1	11.2
109.0	13.8	11.2	-19.3	-11.2	21.3	-33.2	-11.2	-11.2	-20.3	11.2	16.6	-11.5	-14.4	12.0	12.9	-13.0	-11.9	15.1
110.0	-12.5	12.9	12.4	-13.1	-12.2	13.5	12.0	14.2	-11.6	15.6	11.4	-18.4	11.2	-26.9	11.2	16.7	-11.6	13.8
111.0	-11.4	-17.1	11.4	16.5	-11.4	-15.6	11.6	14.6	-11.9	-13.5	12.4	12.6	-13.5	-11.9	15.0	11.4	-19.2	-11.2
112.0	-16.3	-11.4	16.6	11.4	-17.4	19.4	11.2	11.2	-26.9	-11.2	-20.0	11.3	16.1	-11.7	-13.9	12.3	12.5	-13.7
113.0	13.2	-12.4	-13.1	12.5	12.9	-12.5	13.3	13.3	12.1	-14.2	-11.7	15.9	11.4	-19.9	-11.2	-20.7	11.4	15.3
114.0	11.9	20.5	-11.3	-19.4	11.3	-11.4	-16.1	-16.1	11.6	14.7	-12.0	-13.5	12.6	12.5	-13.8	-11.7	16.1	11.3
115.0	14.9	11.7	-15.0	-11.7	15.5	-16.6	11.4	-11.4	18.8	11.3	-28.4	-11.3	18.9	11.4	15.4	-11.9	-13.4	12.8
116.0	-14.2	12.0	14.0	-12.1	-13.7	13.2	13.2	-12.7	-12.7	13.3	12.1	-14.5	-11.7	16.6	11.4	-23.9	-11.3	17.8
117.0	-11.3	28.1	11.3	30.2	-11.3	-22.2	11.4	18.7	-11.5	-16.3	11.7	14.6	-12.1	-13.2	12.9	12.2	-14.5	-11.6
118.0	-13.8	-12.1	14.0	12.1	-14.3	-11.9	15.0	11.7	-16.3	-11.5	19.0	11.3	29.7	-11.4	-17.6	11.6	14.6	-12.2
119.0	15.4	-11.7	-15.2	11.8	14.8	-14.1	-14.1	12.2	13.4	-12.7	-12.7	13.5	12.1	-14.9	-11.6	-17.9	11.4	24.4
120.0	11.4	-19.3	-11.4	-20.3	13.5	13.9	-12.0	-25.7	11.4	19.1	-11.5	-16.2	11.8	14.3	-12.4	-12.9	13.4	12.0
121.0	13.1	12.7	-13.2	-12.6	-16.3	15.4	15.4	-12.0	-14.8	11.8	-16.4	-11.5	19.9	11.4	22.7	-11.5	-16.4	11.8
122.0	-17.3	11.6	17.0	-11.6	-11.6	11.5	11.5	21.0	-11.4	-28.2	11.4	18.8	-11.6	-15.7	12.0	-15.6	-11.5	20.5
123.0	-11.6	16.7	11.6	-17.1	11.6	-11.0	-21.0	-21.0	-11.4	11.4	-11.4	18.8	-11.6	15.7	12.0	13.9	-12.7	-12.6
124.0	-12.6	-13.4	12.6	13.2	-12.8	-12.9	13.2	12.5	-13.8	-12.1	14.8	11.8	-16.8	-13.0	-12.5	11.4	19.6	11.6
125.0	20.7	11.5	-20.1	11.5	18.8	-11.6	17.3	11.7	15.8	-11.9	-14.5	12.3	13.4	18.1	-11.7	14.3	11.9	16.8
126.0	11.9	-15.1	-11.9	15.4	11.8	-11.7	17.5	17.5	11.6	-20.4	-11.5	-20.7	11.5	18.1	11.7	-15.1	12.2	13.4
127.0	12.2	14.3	-12.2	-14.1	-12.4	-12.6	-13.2	-13.2	13.1	12.7	-13.8	-12.2	15.1	11.8	13.6	-11.5	30.8	11.5
128.0	28.3	11.5	-34.3	-11.5	-25.3	11.5	20.7	-11.6	-17.9	11.7	15.9	-12.0	-14.4	12.5	-13.4	-13.4	12.3	15.0
129.0	-12.3	14.1	12.3	-14.3	-12.2	14.8	-20.7	-15.6	-11.8	17.2	-11.6	-20.7	-11.5	-23.5	11.6	17.1	-11.9	14.5
130.0	-11.9	-15.5	12.0	15.2	-12.0	-14.7	12.2	14.0	-12.6	-13.4	13.1	12.7	-14.0	-12.1	15.6	11.7	-19.1	-11.5
131.0	-13.5	-11.6	18.9	11.6	-21.5	-11.6	27.6	11.6	22.4	-11.6	-18.2	11.8	15.8	-12.1	-14.1	12.7	12.9	-13.9

TABLE I. - Continued

BESSEL FUNCTIONS OF ORDER 0 TO 17

BESSEL FUNCTION ORDER

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
132.0	12.9	-13.3	-12.8	13.5	12.6	-13.8	-12.4	14.4	12.1	-15.4	-11.9	17.2	11.7	-21.9	11.6	-20.8	11.7	16.1
133.0	11.8	17.3	-17.1	-11.8	11.8	16.1	-12.0	-15.2	12.2	14.3	-12.6	-13.4	13.2	12.6	14.3	-12.1	16.3	11.7
134.0	15.9	11.8	-13.6	13.5	-13.3	11.7	13.0	-11.6	23.5	11.6	23.2	11.7	18.0	11.8	15.4	-12.3	13.8	13.1
135.0	-13.6	12.8	11.7	-12.9	-13.3	13.1	13.0	-13.6	12.6	14.3	23.2	-11.5	11.9	11.8	11.7	-25.3	11.6	18.7
136.0	-11.7	-20.6	11.7	19.7	-11.7	11.8	11.8	16.9	-11.9	-15.5	12.2	14.3	-12.6	-13.3	13.4	12.5	14.8	12.0
137.0	-15.3	-12.1	15.5	-12.0	-15.9	16.8	-13.7	11.8	-18.4	-11.7	22.6	11.7	22.6	-11.7	17.4	12.0	14.9	12.0
138.0	14.5	-12.4	-14.4	12.5	14.1	-12.7	-13.7	13.0	13.2	-13.5	-12.0	14.3	12.3	14.2	12.8	-13.2	11.7	26.6
139.0	11.7	-30.6	-11.7	-29.7	11.7	23.0	-11.7	-19.7	11.8	17.4	-12.0	-15.6	12.3	14.2	12.4	13.8	13.8	12.4
140.0	15.7	12.5	-14.4	12.4	14.7	12.3	15.2	-12.1	16.3	11.9	-18.1	-11.8	23.1	11.7	21.2	-11.8	16.6	20.5
141.0	-15.7	12.1	15.6	-12.2	-15.2	12.3	14.6	-12.5	-14.0	12.9	13.3	-13.5	12.7	14.5	12.2	-16.3	13.8	20.5
142.0	-11.8	19.9	11.8	-20.7	-11.8	23.3	11.7	30.1	11.7	-20.7	11.8	17.5	12.0	-15.5	12.4	14.0	13.1	19.9
143.0	-13.5	-13.0	13.6	12.9	-13.8	-12.7	14.2	12.5	-14.9	-12.2	16.1	12.0	13.3	-13.6	25.4	11.8	19.5	11.9
144.0	17.5	-11.9	-17.3	12.0	16.7	-12.1	15.9	12.2	15.0	-12.5	-14.1	12.9	13.3	-13.6	12.7	14.8	12.1	13.7
145.0	12.0	-17.1	-12.0	17.6	-11.9	-18.5	-11.9	20.6	11.8	-28.7	-11.8	-21.1	11.9	17.3	12.1	-15.2	12.6	13.7
146.0	13.9	13.7	-13.0	-13.6	13.2	13.3	-13.5	-13.0	14.0	12.6	-14.8	-12.5	16.1	12.0	18.8	-11.8	12.6	11.8
147.0	-20.7	15.6	20.3	-11.9	-19.2	16.4	17.8	-12.0	-16.5	12.2	15.3	-12.5	14.2	13.0	13.3	-13.8	12.6	15.4
148.0	-12.3	11.9	12.2	-15.8	-12.2	16.4	12.1	-17.5	-11.9	19.6	13.9	12.7	14.8	-12.3	16.4	12.0	20.0	11.8
149.0	-12.6	-14.6	12.6	14.4	-12.7	-14.1	12.9	13.6	-13.3	-13.2	13.9	12.7	14.8	-12.6	14.1	12.0	18.2	14.7
150.0	-31.1	-11.9	-40.2	11.9	25.7	-11.9	-21.5	11.9	18.8	-17.0	-16.9	12.2	15.3	-12.6	11.9	-19.8	14.9	14.2
151.0	12.7	15.8	-12.6	14.7	12.5	-15.1	12.4	15.8	12.2	13.9	-13.0	-13.3	13.9	12.7	15.0	-12.3	17.0	12.0
152.0	12.3	15.5	-12.6	-15.5	12.4	15.1	-26.4	-11.9	-24.4	11.9	-13.2	-13.0	13.9	12.7	15.0	-12.3	13.9	13.4
153.0	20.1	12.0	-20.4	-11.9	21.9	11.9	-14.6	-14.6	-12.5	15.4	12.3	-16.8	-12.0	12.3	15.2	-12.7	-13.9	18.6
154.0	-13.2	13.7	13.1	-13.9	-13.0	14.1	12.8	12.8	-12.5	15.4	12.3	14.0	-13.2	-13.3	11.9	12.7	-15.4	18.6
155.0	-12.1	-17.5	12.1	17.2	-12.2	-16.5	12.3	15.7	-12.5	-14.4	-27.9	12.0	13.2	-12.1	16.8	12.3	14.9	18.2
156.0	-17.3	12.1	17.5	12.1	-18.1	-12.0	19.4	12.0	-22.4	-11.9	-12.6	12.0	19.7	-12.1	16.8	12.3	14.9	18.2
157.0	13.3	-13.2	-13.8	13.3	13.6	-13.5	-13.3	13.8	13.0	-14.4	-12.6	15.3	12.3	-16.9	12.1	20.2	12.0	18.9
158.0	12.0	23.6	-12.0	-19.9	12.0	18.7	12.1	-17.4	12.2	16.2	-12.4	-15.0	12.8	14.0	13.3	-13.2	14.3	12.5
159.0	15.7	12.4	15.8	-12.4	16.2	12.3	-17.0	-12.2	18.3	12.1	-21.1	-12.0	-29.8	12.0	19.4	-12.1	16.4	12.5
160.0	-14.7	12.7	14.6	-12.8	-14.4	-13.0	14.0	-13.2	-13.6	13.6	13.1	-14.3	12.4	15.4	12.3	-17.2	-13.5	13.8
161.0	-12.0	35.7	12.0	28.9	-12.0	-23.6	12.0	20.4	-12.1	-18.2	12.2	16.4	-20.8	-15.1	12.8	14.0	18.8	12.2
162.0	-14.7	-12.3	14.7	12.7	-15.0	-12.6	-15.0	12.4	-16.3	-12.3	17.8	12.1	-20.8	-12.0	27.7	12.0	18.8	12.2
163.0	15.9	-12.4	-15.8	12.5	15.5	-23.4	-12.1	-45.7	12.1	-23.4	-13.1	-18.7	13.2	-14.3	12.5	-15.0	13.0	17.9
164.0	12.1	-20.4	-12.1	21.2	12.1	-23.4	-12.1	45.7	12.1	22.1	-12.1	18.7	13.2	16.5	12.5	-15.0	13.0	13.8
165.0	13.9	13.3	-13.9	-13.2	14.1	13.0	-14.5	15.1	-12.8	12.6	-16.0	-12.3	17.6	-14.3	21.0	-12.1	24.3	12.1
166.0	-17.7	12.3	17.5	-12.3	-17.0	12.4	16.3	-12.5	-15.5	12.7	14.7	-13.0	-13.9	13.6	13.2	-14.5	12.7	16.0
167.0	-12.3	17.6	12.3	-17.9	-12.2	18.8	12.2	20.5	-12.1	25.3	12.1	23.5	12.1	-18.8	17.3	16.4	12.6	14.7
168.0	-13.3	-14.0	13.4	13.8	-13.5	-13.5	13.8	13.3	-14.2	-13.0	14.8	12.7	-15.9	-12.0	13.9	-12.2	22.2	12.1
169.0	20.7	-12.2	-20.4	12.2	19.4	-12.2	-18.3	12.3	17.0	-12.4	15.9	12.7	14.8	-13.1	13.9	13.7	13.2	14.7
170.0	12.6	-15.9	-12.5	16.2	12.5	-16.7	-12.4	17.6	-12.3	-19.3	-12.2	23.3	12.1	24.0	12.2	-18.5	12.4	16.0
171.0	12.9	14.8	-12.9	-14.7	13.0	14.4	-13.2	-14.0	13.5	13.6	-14.0	-13.1	14.7	12.7	15.9	-12.4	18.1	12.2

TABLE I. -- Concluded
 BESSEL FUNCTIONS OF ORDER 0 TO 17

ARG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
172.0	37.5	12.2	32.8	-13.2	-25.8	12.2	22.1	-13.2	-19.6	12.3	17.6	-12.4	16.1	12.7	14.8	13.1	-13.0	13.9
173.0	-12.9	14.8	12.9	-15.0	-12.8	15.4	12.7	-15.9	-12.5	16.9	12.3	-18.7	12.2	22.9	12.2	23.3	-12.2	-18.0
174.0	-12.6	-16.0	12.6	15.8	-22.7	-15.4	12.8	14.9	-13.0	-14.3	13.4	13.7	13.9	-12.4	14.8	12.7	-16.2	-12.4
175.0	-20.6	-12.2	21.0	12.2	-22.3	-12.2	26.0	12.2	26.4	-12.2	-20.7	12.3	18.0	-12.4	16.1	12.8	14.7	-13.3
176.0	13.4	-14.1	-13.4	14.2	13.3	-14.4	13.1	14.8	12.9	-15.5	-12.6	16.6	12.4	-18.5	12.3	23.4	18.2	21.9
177.0	12.4	17.7	-12.4	-17.4	12.5	-14.4	-12.6	-16.1	12.7	15.3	-13.0	-14.5	12.4	-18.0	-14.0	14.9	12.0	12.7
178.0	17.7	12.4	-17.9	-12.4	18.5	12.3	-19.6	-12.3	22.0	12.2	-35.1	-12.2	21.5	12.3	18.0	-16.0	12.0	12.7
179.0	-14.1	13.5	14.0	-13.6	-13.9	13.7	13.6	-14.1	-13.3	14.5	13.0	-12.2	21.5	12.3	-12.4	-12.3	-12.3	25.3
180.0	-12.3	-20.6	12.3	20.0	-12.3	-19.0	12.4	17.9	-12.5	-16.7	12.7	15.6	12.9	-14.7	13.4	-14.1	14.1	-13.2
181.0	-16.1	-12.7	16.2	12.6	-16.5	-12.6	17.2	12.5	-18.3	-12.4	20.5	12.3	27.5	21.7	12.8	17.8	12.5	-19.2
182.0	14.9	-13.0	-14.9	13.1	14.7	-13.2	14.3	13.5	14.0	13.8	-13.5	14.4	13.1	-15.2	-12.8	16.6	12.5	19.2
183.0	12.3	36.0	-12.3	-28.1	12.3	23.9	-12.3	-21.0	12.4	18.8	-12.5	-17.2	12.6	-12.9	-12.9	-14.7	13.5	13.8
184.0	15.0	13.0	-15.1	-13.0	15.3	12.9	-15.7	16.4	12.6	12.6	12.6	-12.4	12.6	12.3	26.7	-21.3	17.8	12.4
185.0	-16.1	12.7	16.0	-12.8	-15.7	12.9	15.3	-13.0	-14.8	13.3	14.2	-12.4	13.7	14.3	12.7	-15.3	-13.0	16.9
186.0	-12.4	21.0	12.4	-21.7	-12.3	23.7	12.3	-33.1	-12.3	-23.4	12.4	19.7	12.5	-17.4	12.7	15.8	-13.0	-14.6
187.0	-14.2	-13.5	14.2	13.5	-14.4	-13.3	-15.6	12.7	15.9	-12.9	16.0	12.7	14.4	-12.5	13.7	-28.2	13.2	12.3
188.0	17.8	-12.5	-17.6	12.6	17.2	-12.6	-12.4	20.6	12.4	-24.1	-12.4	-26.5	12.4	20.2	12.5	-17.5	12.7	15.7
189.0	12.5	-18.0	13.6	-14.1	13.8	13.9	-14.0	-13.6	14.4	13.3	-14.9	-13.0	15.8	12.7	-17.2	-13.5	12.7	12.4
190.0	13.6	14.2	-20.4	-12.4	-19.6	12.5	18.6	-12.6	-17.5	12.7	16.4	-12.9	-15.4	13.2	14.5	-13.7	-13.7	14.5
191.0	-20.7	12.4	20.4	-16.5	-12.7	16.9	12.6	-17.8	-12.5	19.2	12.5	-22.1	-12.4	-30.1	12.4	20.3	-12.5	17.3
192.0	-13.2	-15.0	13.2	14.9	-13.3	-14.6	13.5	14.3	-13.7	-13.9	14.1	13.5	-14.8	-13.1	15.7	-17.3	-17.3	-12.5
193.0	34.6	-12.4	-30.3	12.4	25.7	-12.4	-22.5	12.5	20.1	-12.5	-18.3	12.6	16.8	12.9	-15.5	14.5	14.5	20.0
194.0	12.9	16.2	-12.9	-16.0	13.0	15.6	-13.1	-15.2	13.3	14.7	-12.6	18.4	12.5	-21.3	12.4	31.5	15.8	12.8
195.0	12.9	16.2	-12.9	-16.0	13.0	15.6	-13.1	-15.2	13.3	14.7	-12.6	18.4	12.5	-21.3	12.4	31.5	15.8	12.8
196.0	21.1	12.5	-21.5	12.5	-22.7	12.5	-26.0	-12.5	-28.2	12.5	21.7	-12.5	-18.9	12.6	-14.7	-13.2	-15.5	13.3
197.0	14.4	14.4	13.6	-14.5	-13.5	14.7	13.3	-15.1	-13.1	15.6	12.9	-12.5	12.7	18.1	12.0	-21.1	-12.5	28.7
198.0	-12.7	-17.8	12.7	17.5	-12.7	-17.0	12.8	16.4	-12.9	-15.7	13.2	15.0	-12.7	-14.3	14.0	13.7	-12.5	-13.2
199.0	-13.1	-12.7	18.3	13.8	-18.8	-12.6	-13.9	12.5	-21.8	-12.5	-13.5	15.3	23.3	-12.5	19.2	-21.1	-12.5	19.2
200.0	14.3	-13.8	-14.2	-13.6	14.1	-14.0	13.9	14.3	13.6	-14.7	-13.3	15.3	13.0	-16.3	12.8	17.0	12.6	21.4
201.0	12.6	20.5	-12.6	-20.1	12.6	-13.6	-12.6	-18.2	12.7	17.1	-12.9	-16.1	13.1	15.2	-12.8	-14.4	14.0	13.7
202.0	16.4	12.9	-16.5	-12.9	16.8	12.8	-17.4	-12.7	18.4	12.6	-20.2	-12.5	24.5	12.5	24.4	-12.6	19.3	12.7
203.0	-15.1	-13.4	15.1	-13.4	-14.9	13.5	12.4	-13.7	-14.2	14.0	13.9	-14.5	13.5	-15.2	13.1	-16.2	12.8	18.1
204.0	-15.1	-13.4	15.1	-13.4	-14.9	13.5	12.4	-13.7	-14.2	14.0	13.9	-14.5	13.5	-15.2	13.1	-16.2	12.8	18.1
205.0	-15.3	-13.3	15.4	-13.2	-15.6	-13.1	16.0	-16.6	-12.8	-12.8	17.6	12.7	19.3	-12.6	23.3	24.7	12.6	12.6
206.0	15.3	-13.0	15.4	13.2	-15.6	-13.1	16.0	-16.6	-12.8	-12.8	17.6	12.7	19.3	-12.6	23.3	24.7	12.6	12.6
207.0	15.3	-13.0	15.4	13.2	-15.6	-13.1	16.0	-16.6	-12.8	-12.8	17.6	12.7	19.3	-12.6	23.3	24.7	12.6	12.6
208.0	12.6	-21.5	-12.6	22.0	12.6	-24.1	-12.6	31.3	15.1	24.5	-14.6	-20.6	14.1	18.2	-13.6	15.1	13.2	16.3
209.0	14.5	13.7	-14.5	-13.7	14.7	13.5	-13.4	12.6	15.4	13.2	-12.6	-20.6	12.7	12.8	-12.9	-16.6	13.1	15.3
210.0	-17.9	12.8	-12.8	-12.8	-17.4	12.9	-13.0	-16.2	13.1	13.2	16.1	-13.0	17.1	12.8	-12.9	23.1	23.1	12.6
211.0	-12.8	18.3	-12.7	-18.6	-12.7	19.3	12.7	-20.7	-12.6	23.5	12.6	-13.4	14.8	13.8	14.2	-14.3	-13.6	15.2
												31.1	12.6	21.5	12.7	18.5	-12.8	-16.6

TABLE II

BESSEL FUNCTIONS OF ORDER 18 TO 35

BESSEL FUNCTION ORDER

ARG	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
.0	399.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.1	392.2	418.0	444.1	470.3	496.7	523.4	550.2	577.2	604.3	631.6	659.1	686.8	714.5	742.5	770.5	799.9	828.4	857.1
.2	338.1	360.9	383.9	407.1	430.5	454.1	477.9	501.9	526.1	550.4	574.8	599.5	624.2	649.2	674.2	699.9	724.7	750.1
.3	306.4	327.4	348.6	370.1	391.8	413.6	435.7	457.9	480.3	502.8	525.5	548.4	571.4	594.6	617.9	641.3	664.8	688.5
.4	283.9	303.7	323.7	343.9	364.3	384.9	405.7	426.7	447.8	469.1	490.6	512.2	533.9	555.8	577.9	600.1	622.4	644.8
.5	266.4	285.3	304.3	323.5	343.0	362.6	382.4	402.4	422.6	442.9	463.4	484.1	504.9	525.8	546.9	568.1	589.4	610.9
.6	252.2	270.2	288.5	306.9	325.6	344.4	363.4	382.6	402.0	421.6	441.3	461.1	481.1	501.3	521.5	541.9	562.5	583.2
.7	240.2	257.5	275.1	292.9	310.8	329.0	347.4	365.9	384.6	403.5	422.5	441.7	461.0	480.5	500.1	519.9	539.7	559.7
.8	229.7	246.5	263.5	280.7	298.1	315.7	333.5	351.4	369.5	387.8	406.3	424.9	443.6	462.5	481.6	500.7	520.0	539.4
.9	220.5	236.8	253.3	269.9	286.8	303.9	321.2	338.6	356.3	374.0	392.0	410.1	428.3	446.7	465.2	483.9	502.6	521.5
1.0	212.3	228.1	244.1	260.3	276.8	293.4	310.2	327.2	344.4	361.7	379.2	396.8	414.6	432.5	450.6	468.8	487.1	505.5
1.1	204.9	220.2	235.9	251.7	267.7	283.9	300.3	316.9	333.6	350.5	367.6	384.8	402.2	419.7	437.3	455.1	473.0	491.1
1.2	198.1	213.1	228.3	243.7	259.4	275.2	291.2	307.4	323.8	340.3	357.0	373.9	390.8	408.0	425.2	442.6	460.2	477.8
1.3	191.8	206.5	221.4	236.5	251.7	267.2	282.9	298.7	314.8	330.9	347.3	363.8	380.4	397.2	414.1	431.2	448.4	465.7
1.4	185.1	200.4	214.9	229.7	244.7	259.8	275.2	290.7	306.4	322.3	338.3	354.5	370.8	387.2	403.8	420.6	437.4	454.4
1.5	180.7	194.7	209.0	223.4	238.1	253.0	268.0	283.2	298.6	314.2	329.9	345.8	361.8	378.0	394.3	410.7	427.3	443.9
1.6	175.7	189.4	203.4	217.6	231.9	246.5	261.3	276.2	291.4	306.6	322.1	337.7	353.4	369.3	385.3	401.4	417.7	434.1
1.7	170.9	184.4	198.1	212.0	226.2	240.5	255.0	269.7	284.5	299.5	314.7	330.0	345.5	361.1	376.9	392.8	408.8	424.9
1.8	166.5	179.7	193.2	206.9	220.7	234.8	249.0	263.5	278.1	292.9	307.8	322.9	338.1	353.4	369.0	384.6	400.4	416.3
1.9	162.3	175.3	188.5	201.9	215.6	229.4	243.4	257.6	272.0	286.5	301.2	316.1	331.0	346.2	361.4	376.9	392.4	408.0
2.0	158.3	171.1	184.1	197.3	210.7	224.3	238.1	252.1	266.2	280.5	295.0	309.6	324.4	339.3	354.3	369.5	384.8	400.3
2.1	154.5	167.1	179.9	192.9	206.1	219.5	233.0	246.8	260.7	274.8	289.1	303.5	318.0	332.7	347.6	362.5	377.6	392.9
2.2	150.9	163.2	175.8	188.6	201.6	214.8	228.2	241.8	255.5	269.4	283.4	297.6	312.0	326.5	341.1	355.9	370.8	385.8
2.3	147.4	159.6	172.0	184.6	197.4	210.4	223.6	237.0	250.5	264.2	278.0	292.1	306.2	320.5	335.0	349.5	364.2	379.1
2.4	144.1	156.1	168.3	180.7	193.4	206.2	219.2	232.4	245.7	259.2	272.9	286.7	300.7	314.8	329.1	343.4	358.0	372.6
2.5	141.0	152.8	164.8	177.0	189.5	202.1	214.9	227.9	241.1	254.4	267.9	281.6	295.4	309.3	323.4	337.6	351.9	366.4
2.6	137.9	149.6	161.4	173.5	185.8	198.2	210.9	223.7	236.7	249.9	263.2	276.7	290.3	304.1	318.0	332.0	346.2	360.5
2.7	135.0	146.5	158.2	170.1	182.2	194.5	207.0	219.6	232.5	245.5	258.6	271.9	285.4	299.0	312.7	326.6	340.6	354.7
2.8	132.2	143.5	155.0	166.8	178.7	190.9	203.2	215.7	228.4	241.2	254.2	267.4	280.7	294.1	307.7	321.4	335.3	349.2
2.9	129.5	140.6	152.0	163.6	175.4	187.4	199.6	211.9	224.4	237.1	250.0	263.0	276.1	289.4	302.8	316.4	330.1	343.9
3.0	126.9	137.9	149.1	160.5	172.2	184.0	196.1	208.3	220.6	233.2	245.9	258.7	271.7	284.9	298.1	311.6	325.1	338.8
3.1	124.4	135.2	146.3	157.6	169.1	180.8	192.7	204.7	217.0	229.4	241.9	254.6	267.5	280.5	293.6	306.9	320.3	333.8
3.2	121.9	132.6	143.6	154.7	166.1	177.6	189.4	201.3	213.4	225.7	238.4	250.6	263.4	276.2	289.2	302.4	315.6	329.0
3.3	119.5	130.1	140.9	152.0	163.2	174.6	186.2	198.0	209.9	222.1	234.4	246.8	259.4	272.1	285.0	298.0	311.1	324.4
3.4	117.2	127.7	138.4	149.3	160.4	171.6	183.1	194.8	206.6	218.6	230.7	243.1	255.5	268.1	280.8	293.7	306.7	319.8
3.5	115.0	125.3	135.9	146.7	157.6	168.8	180.1	191.7	203.4	215.2	227.3	239.4	251.8	264.2	276.8	289.6	302.4	315.4
3.6	112.9	123.1	133.5	144.1	155.0	166.0	177.2	188.6	200.2	211.9	223.9	235.9	248.1	260.5	272.9	285.6	298.3	311.2
3.7	110.8	120.8	131.1	141.7	152.4	163.3	174.4	185.7	197.1	208.8	220.5	232.5	244.6	256.8	269.2	281.7	294.3	307.0
3.8	108.7	118.7	128.9	139.3	149.9	160.7	171.7	182.8	194.2	205.7	217.3	229.2	241.1	253.2	265.5	277.9	290.4	303.0
3.9	106.7	116.6	126.6	136.9	147.4	158.1	169.0	180.0	191.3	202.7	214.0	225.9	237.8	249.8	261.9	274.2	286.6	299.1

TABLE II. — Continued
 BESSEL FUNCTIONS OF ORDER 18 TO 35

ARG	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
8.0	53.4	60.0	66.8	73.9	81.1	88.6	95.2	104.1	112.1	120.3	128.7	137.2	145.9	154.7	163.7	172.8	182.0	191.4
8.2	51.7	58.1	64.8	71.8	78.9	86.3	93.8	101.6	109.5	117.6	125.8	134.2	142.8	151.5	160.3	169.3	178.5	187.7
8.4	50.0	56.3	62.9	69.7	76.8	84.0	91.5	99.1	106.9	114.9	123.0	131.3	139.8	148.4	157.1	166.0	175.0	184.1
8.6	48.4	54.6	61.1	67.8	74.7	81.8	89.2	96.7	104.4	112.2	120.3	128.5	136.8	145.3	153.9	162.7	171.6	180.7
8.8	46.8	52.9	59.3	65.9	72.7	79.7	86.9	94.3	101.9	109.7	117.6	125.7	133.9	142.3	150.9	159.5	168.3	177.3
9.0	45.2	51.3	57.5	64.0	70.7	77.6	84.7	92.0	99.5	107.2	115.0	123.0	131.1	139.4	147.9	156.4	165.1	174.0
9.2	43.7	49.6	55.8	62.2	68.8	75.6	82.6	89.8	97.2	104.8	112.5	120.4	128.4	136.6	144.9	153.4	162.0	170.8
9.4	42.3	48.1	54.1	60.4	66.9	73.6	80.5	87.6	94.9	102.4	110.0	117.8	125.7	133.8	142.1	150.4	159.0	167.6
9.6	40.9	46.6	52.5	58.7	65.1	71.7	78.5	85.5	92.7	100.1	107.6	115.3	123.1	131.1	139.3	147.5	156.0	164.5
9.8	39.5	45.1	50.9	57.0	63.3	69.8	76.5	83.4	90.5	97.8	105.2	112.8	120.6	128.5	136.5	144.7	153.0	161.5
10.0	38.2	43.7	49.4	55.4	61.6	68.0	74.6	81.4	88.4	95.6	102.9	110.4	118.1	125.9	133.9	142.0	150.2	158.5
10.2	36.9	42.3	47.9	53.8	59.9	66.2	72.7	79.4	86.3	93.4	100.7	108.1	115.7	123.4	131.2	139.2	147.4	155.7
10.4	35.6	40.9	46.4	52.2	58.2	64.5	70.9	77.5	84.3	91.3	98.5	105.8	113.3	120.9	128.7	136.6	144.7	152.8
10.6	34.4	39.6	45.0	50.7	56.6	62.8	69.1	75.6	82.4	89.3	96.3	103.6	110.9	118.5	126.2	134.0	142.0	150.1
10.8	33.2	38.3	43.6	49.2	55.0	61.1	67.3	73.8	80.4	87.2	94.2	101.4	108.7	116.1	123.7	131.5	139.3	147.4
11.0	32.0	37.0	42.3	47.8	53.5	59.5	65.6	72.0	78.5	85.3	92.2	99.2	106.4	113.8	121.3	129.0	136.8	144.7
11.2	30.9	35.8	41.0	46.4	52.0	57.9	64.0	70.2	76.7	83.3	90.1	97.1	104.2	111.5	119.0	126.3	134.1	142.1
11.4	29.8	34.6	39.7	45.0	50.5	56.3	62.3	68.5	74.9	81.4	88.2	95.1	102.1	109.3	116.7	124.0	131.8	139.6
11.6	28.7	33.4	38.4	43.6	49.1	54.8	60.7	66.8	73.1	79.6	86.2	93.0	100.0	107.1	114.4	121.8	129.4	137.1
11.8	27.7	32.3	37.2	42.3	47.7	53.3	59.1	65.2	71.4	77.8	84.3	91.1	97.9	105.0	112.2	119.5	127.0	134.6
12.0	26.7	31.2	36.0	41.1	46.4	51.9	57.6	63.5	69.7	76.0	82.5	89.1	95.9	102.9	110.0	117.3	124.7	132.2
12.2	25.7	30.1	34.8	39.8	45.0	50.5	56.1	62.0	68.0	74.2	80.6	87.2	94.0	100.8	107.9	115.1	122.4	129.8
12.4	24.7	29.1	33.7	38.6	43.7	49.1	54.6	60.4	66.4	72.5	78.9	85.4	92.0	98.8	105.8	112.9	120.1	127.5
12.6	23.8	28.1	32.6	37.4	42.4	47.7	53.2	58.9	64.8	70.9	77.1	83.5	90.1	96.8	103.7	110.8	117.9	125.2
12.8	22.9	27.1	31.5	36.2	41.2	46.4	51.8	57.4	63.2	69.2	75.4	81.7	88.2	94.9	101.7	108.7	115.8	123.0
13.0	22.0	26.1	30.5	35.1	40.0	45.1	50.4	56.0	61.7	67.6	73.7	80.0	86.4	93.0	99.7	106.6	113.6	120.8
13.2	21.2	25.2	29.4	34.0	38.8	43.8	49.1	54.5	60.2	66.0	72.1	78.3	84.6	91.1	97.8	104.6	111.6	118.6
13.4	20.4	24.3	28.4	32.9	37.6	42.6	47.8	53.1	58.7	64.5	70.4	76.6	82.9	89.3	95.9	102.6	109.5	116.5
13.6	19.6	23.4	27.5	31.9	36.5	41.4	46.5	51.8	57.3	63.0	68.9	74.9	81.1	87.5	94.0	100.7	107.5	114.4
13.8	18.8	22.5	26.5	30.8	35.4	40.2	45.2	50.4	55.9	61.5	67.3	73.3	79.4	85.7	92.2	98.8	105.5	112.4
14.0	18.0	21.7	25.6	29.8	34.3	39.0	44.0	49.1	54.5	60.0	65.8	71.7	77.8	84.0	90.4	96.9	103.6	110.4
14.2	17.3	20.8	24.7	28.8	33.2	37.9	42.8	47.8	53.1	58.6	64.3	70.1	76.1	82.3	88.6	95.1	101.7	108.4
14.4	16.6	20.0	23.8	27.9	32.2	36.8	41.6	46.6	51.8	57.2	62.8	68.6	74.5	80.6	86.8	93.2	99.8	106.5
14.6	15.9	19.3	23.0	27.0	31.2	35.7	40.4	45.4	50.5	55.8	61.4	67.0	72.9	78.9	85.1	91.5	97.9	104.5
14.8	15.2	18.5	22.1	26.0	30.2	34.6	39.3	44.1	49.2	54.5	59.9	65.6	71.4	77.3	83.4	89.7	96.1	102.7
15.0	14.6	17.8	21.3	25.2	29.2	33.6	38.2	43.0	48.0	53.2	58.5	64.1	69.8	75.7	81.8	88.0	94.3	100.8
15.2	14.0	17.1	20.5	24.3	28.3	32.6	37.1	41.8	46.7	51.9	57.2	62.7	68.3	74.2	80.2	86.3	92.6	99.0
15.4	13.4	16.4	19.8	23.4	27.4	31.6	36.0	40.7	45.5	50.6	55.8	61.3	66.9	72.6	78.5	84.6	90.8	97.2
15.6	12.8	15.8	19.0	22.6	26.5	30.6	35.0	39.5	44.3	49.3	54.5	59.9	65.4	71.1	77.0	83.0	89.1	95.4
15.8	12.3	15.1	18.3	21.8	25.6	29.6	33.9	38.5	43.2	48.1	53.2	58.5	64.0	69.6	75.4	81.4	87.5	93.7

TABLE II. — Continued
 BESSEL FUNCTIONS OF ORDER 18 TO 35

ARG	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
15.0	11.7	14.5	17.6	21.0	24.7	28.7	32.9	37.4	42.0	46.9	52.0	57.2	62.6	68.2	73.9	79.8	85.8	92.0
16.0	11.2	13.9	16.9	20.3	23.9	27.8	32.0	36.3	40.9	45.7	50.7	55.9	61.2	66.7	72.4	78.2	84.2	90.3
16.4	10.8	13.3	16.3	19.5	22.9	26.9	31.0	35.3	39.8	44.6	49.5	54.6	59.9	65.3	70.9	76.7	82.6	88.6
16.6	10.3	12.8	15.6	18.8	22.3	25.1	30.1	34.3	38.8	43.4	48.3	53.3	58.5	63.9	69.5	75.2	81.0	87.0
16.8	9.9	12.2	15.0	18.1	21.5	25.2	29.1	33.3	37.7	42.3	47.1	52.1	57.2	62.6	68.0	73.7	79.5	85.4
17.0	9.4	11.7	14.4	17.4	20.8	24.6	28.2	32.3	36.7	41.2	45.9	50.8	55.9	61.2	66.6	72.2	77.9	83.8
17.2	9.0	11.2	13.8	16.8	19.9	23.6	27.4	31.4	35.7	40.1	44.8	49.6	54.7	59.9	65.2	70.8	76.4	82.3
17.4	8.7	10.8	13.3	16.1	18.9	22.8	26.5	30.5	34.7	39.1	43.7	48.5	53.4	58.6	63.9	69.5	75.0	80.7
17.6	8.3	10.3	12.7	15.5	18.6	22.0	25.7	29.6	33.7	38.0	42.6	47.3	52.2	57.3	62.5	68.0	73.5	79.2
17.8	8.0	9.9	12.2	14.9	17.9	21.5	24.8	28.7	32.7	37.0	41.5	46.2	51.0	56.0	61.2	66.6	72.1	77.7
18.0	7.7	9.5	11.9	14.3	17.3	20.8	23.9	27.0	30.9	35.0	39.4	43.9	48.7	53.6	58.7	63.9	69.3	74.8
18.2	7.4	9.1	11.2	13.8	16.6	19.8	22.5	25.3	29.1	33.1	37.4	41.8	46.4	51.2	56.2	61.3	66.6	72.0
18.4	7.1	8.7	10.6	13.2	15.9	18.4	21.5	24.5	28.2	32.2	36.4	40.7	45.3	50.0	54.9	60.0	65.2	70.6
18.6	6.9	8.4	10.3	12.7	15.4	17.8	20.7	23.7	27.4	31.3	35.4	39.7	44.2	48.9	53.7	58.7	63.9	69.3
18.8	6.7	8.1	9.9	12.2	14.8	17.3	20.0	23.0	26.6	30.4	34.5	38.7	43.1	47.7	52.4	57.4	62.6	67.9
19.0	6.5	7.8	9.5	11.7	14.3	17.1	20.3	23.7	27.4	31.3	35.4	39.7	44.1	48.6	53.2	58.2	63.3	68.6
19.2	6.3	7.5	9.1	11.2	13.7	16.5	19.6	23.0	26.8	29.5	33.5	37.7	42.1	46.7	51.4	56.3	61.4	66.6
19.4	6.2	7.2	8.8	10.8	13.2	15.9	18.9	22.2	25.8	28.7	32.6	36.7	41.1	45.6	50.3	55.1	60.1	65.3
19.6	6.1	7.0	8.4	10.4	12.7	15.3	18.3	21.5	25.0	28.7	32.6	36.7	41.1	45.6	50.3	55.1	60.1	65.3
19.8	6.0	6.8	8.1	9.9	12.2	14.7	17.6	20.8	24.2	27.9	31.7	35.8	40.1	44.5	49.1	53.9	58.9	63.9
20.0	6.0	6.6	7.8	9.6	11.7	14.2	17.0	20.1	23.4	27.0	30.8	34.9	39.1	43.5	48.0	52.8	57.7	62.7
20.2	6.0	6.4	7.6	9.2	11.2	13.7	16.4	19.4	22.7	26.2	30.0	33.9	38.1	42.4	46.9	51.6	56.5	61.5
20.4	6.0	6.2	7.3	8.8	10.8	13.1	15.8	18.8	22.0	25.4	29.1	33.0	37.1	41.4	45.9	50.5	55.3	60.2
20.6	6.1	6.2	7.1	8.5	10.4	12.6	15.2	18.1	21.3	24.7	28.3	32.1	36.2	40.4	44.8	49.4	54.1	59.0
20.8	6.1	6.1	6.9	8.2	9.9	12.2	14.7	17.5	20.6	23.9	27.5	31.3	35.3	39.4	43.8	48.3	53.0	57.8
21.0	6.1	6.1	6.7	7.9	9.6	11.7	14.1	16.9	19.9	23.2	26.7	30.4	34.3	38.5	42.8	47.2	51.9	56.6
21.2	6.1	6.1	6.5	7.6	9.2	11.2	13.6	16.3	19.2	22.5	25.9	29.6	33.4	37.5	41.7	46.2	50.7	55.5
21.4	6.1	6.1	6.3	7.4	8.9	10.8	13.1	15.7	18.6	21.8	25.1	28.7	32.5	36.6	40.8	45.1	49.7	54.3
21.6	6.1	6.1	6.3	7.2	8.6	10.4	12.6	15.2	18.0	21.1	24.4	27.9	31.7	35.7	39.8	44.1	48.6	53.2
21.8	6.1	6.2	6.2	7.0	8.3	10.0	12.1	14.6	17.4	20.4	23.7	27.1	30.8	34.7	38.8	43.1	47.5	52.1
22.0	6.1	6.2	6.2	6.8	8.0	9.6	11.7	14.1	16.8	19.7	22.9	26.4	30.0	33.9	37.9	42.1	46.5	51.0
22.2	6.1	6.2	6.1	6.6	7.7	9.3	11.3	13.6	16.2	19.1	22.5	25.6	29.2	33.0	36.1	40.2	44.4	48.9
22.4	6.1	6.2	6.2	6.5	7.5	8.9	10.8	13.1	15.6	18.5	20.9	24.1	27.6	31.3	35.2	39.2	43.4	47.8
22.6	6.1	6.2	6.2	6.3	7.2	8.6	10.4	12.6	15.1	17.8	20.9	24.1	27.6	31.3	35.2	39.2	43.4	47.8
22.8	6.1	6.2	6.2	6.3	7.0	8.3	10.0	12.1	14.6	17.3	20.2	23.4	26.8	30.5	34.3	38.3	42.4	46.8
23.0	6.1	6.2	6.2	6.2	6.8	8.0	9.7	11.7	14.0	16.7	19.6	22.0	25.3	28.8	32.6	36.5	40.5	45.8
23.2	6.1	6.2	6.2	6.2	6.7	7.8	9.3	11.3	13.5	16.1	18.9	22.0	25.3	28.8	32.6	36.5	40.5	45.8
23.4	6.1	6.2	6.2	6.2	6.6	7.5	9.0	10.8	13.0	15.6	18.3	21.4	24.6	28.1	31.7	35.6	39.6	43.8
23.6	6.1	6.2	6.2	6.3	6.4	7.3	8.7	10.5	12.6	15.0	17.7	20.7	23.9	27.3	30.9	34.7	38.7	42.8
23.8	6.1	6.2	6.2	6.3	6.4	7.1	8.4	10.1	12.1	14.5	17.1	20.0	23.2	26.5	30.1	33.8	37.8	41.8
24.0	6.1	6.2	6.2	6.3	6.4	7.1	8.4	10.1	12.1	14.5	17.1	20.0	23.2	26.5	30.1	33.8	37.8	41.8

TABLE II. — Continued
 BESSEL FUNCTIONS OF ORDER 18 TO 35

	BESSEL FUNCTION ORDER																	
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
32.0	-13.5	10.1	8.0	9.9	-16.0	-8.6	-7.7	9.2	-17.8	10.3	7.6	6.7	6.8	7.4	8.5	10.0	11.7	13.7
32.5	-13.0	14.0	8.9	8.5	14.6	-10.3	-7.8	8.2	-11.7	13.6	8.5	7.0	6.7	7.1	7.9	9.2	10.8	12.7
33.0	-12.6	-16.5	9.5	8.0	10.5	-14.1	-8.5	7.7	-9.5	-20.3	10.1	7.6	6.8	6.8	7.5	8.6	10.0	11.7
33.5	-12.2	-11.0	12.3	8.2	8.9	17.0	-9.9	7.8	-8.3	-12.2	13.1	8.5	7.0	6.8	7.1	8.0	9.2	10.8
34.0	-11.8	-9.1	-28.6	9.1	8.2	11.3	-12.9	-8.3	-7.8	-9.8	-25.9	9.9	7.6	6.8	6.9	7.5	8.6	10.0
34.5	-11.4	-8.4	-13.2	11.2	8.2	19.2	22.1	-9.6	-7.8	-8.5	-12.7	12.7	8.4	7.1	6.8	7.2	8.0	9.3
35.0	-11.0	-8.4	-9.6	17.4	8.8	8.3	12.1	-12.1	-8.2	-7.9	-10.1	24.2	9.8	7.6	6.8	6.9	7.6	8.5
35.5	-10.6	-8.6	-8.6	-13.8	10.4	8.1	9.7	-21.6	-9.3	-7.8	-8.7	-13.4	7.1	6.8	6.9	7.2	8.0	8.5
36.0	-10.2	-11.7	8.4	-10.3	14.4	8.5	8.5	13.1	-11.4	-8.2	-8.0	-10.4	20.1	8.4	7.1	6.8	7.0	7.6
36.5	-9.8	-20.3	9.0	-8.9	-16.5	9.9	8.2	10.1	-17.2	-9.1	-7.8	-8.9	-14.0	12.0	8.3	7.1	6.9	7.3
37.0	-9.4	-13.0	-10.6	-8.4	-11.1	12.8	8.5	8.8	14.5	-10.9	-8.1	-8.2	-10.7	18.1	9.6	7.5	6.9	7.0
37.5	-9.0	-15.0	-14.9	-8.7	-9.3	-23.8	9.5	8.3	10.7	-15.2	-8.9	-7.9	-9.1	-14.8	11.7	9.5	7.1	6.9
38.0	-8.6	-8.8	15.7	-9.9	-8.5	-12.2	11.7	8.4	9.1	16.3	-10.5	-8.1	-8.3	-11.1	16.8	9.5	7.5	7.0
38.5	-8.2	8.6	10.0	-12.7	-8.4	-9.8	18.9	9.1	8.4	11.3	-13.9	-8.7	-7.9	-9.3	-15.7	11.4	8.2	7.1
39.0	-7.8	9.3	8.7	23.8	-9.4	-8.7	-13.7	10.9	8.3	9.4	19.2	-10.1	-8.0	-8.4	-11.4	15.9	9.4	7.5
39.5	-7.4	-13.1	8.7	12.2	-11.4	-8.5	-10.4	15.4	8.9	8.5	12.0	-12.9	-8.6	-8.0	-9.5	-16.7	11.2	8.2
40.0	-7.0	-15.5	8.9	9.8	-17.6	-9.1	-9.0	-15.8	10.3	8.3	9.8	30.2	-9.8	-8.0	-8.5	-11.8	15.1	9.3
40.5	-6.6	-17.7	10.2	8.8	14.0	-10.5	-8.6	-11.1	-13.6	8.7	8.7	12.8	-12.2	-8.5	-8.1	-9.8	-18.1	11.0
41.0	-6.2	-19.5	13.3	3.8	10.5	-14.3	-8.8	-9.4	-19.9	9.9	8.4	10.2	-20.2	-8.0	-8.0	-16.7	-12.2	14.6
41.5	-5.8	-20.0	-20.0	9.6	9.1	17.3	-9.9	-8.7	-12.0	12.4	8.6	8.9	13.9	-11.7	-8.4	-8.2	-10.0	-19.8
42.0	-5.4	-21.7	-11.9	18.3	8.7	11.5	-12.6	-8.7	-9.8	23.0	9.5	8.4	8.9	-17.1	-9.4	-8.1	-8.9	-12.6
42.5	-5.0	-23.4	8.9	13.8	9.2	9.6	-28.9	-9.5	-8.8	-13.2	11.6	8.5	9.2	15.1	-11.2	-8.4	-8.3	-10.3
43.0	-4.6	-25.1	-5.1	-13.8	10.5	8.8	12.8	-11.4	-8.7	-10.3	17.1	9.3	8.5	11.1	-15.4	-9.2	-8.1	-9.0
43.5	-4.2	-26.8	10.2	-10.5	-17.5	9.9	9.1	-16.9	-9.2	-9.1	-14.8	10.9	8.5	9.5	-16.8	-10.8	-8.3	-8.4
44.0	-3.8	-28.5	-10.2	9.0	-11.6	12.3	-9.9	14.7	-10.7	-8.7	-11.0	14.8	9.1	8.7	-11.7	-14.2	-9.1	-8.1
44.5	-3.4	-30.2	-13.0	-9.0	-11.6	-14.3	8.9	10.9	-14.2	-9.0	-9.4	-17.3	10.4	8.5	9.8	-19.6	-10.5	-8.3
45.0	-3.0	-31.9	23.2	-3.6	-9.7	23.0	9.5	9.4	18.1	-10.1	-8.8	-11.7	13.4	8.9	8.8	12.4	-13.4	-8.9
45.5	-2.6	-33.6	12.3	-11.4	-9.0	-13.1	11.2	8.9	11.8	-12.7	-8.9	-9.8	-23.1	10.0	8.5	10.1	-27.5	-10.2
46.0	-2.2	-35.3	-9.7	-15.7	-9.2	-10.3	15.7	9.2	9.8	-26.0	-9.7	-8.9	-12.7	12.4	8.8	9.0	13.1	-12.7
46.5	-1.8	-37.0	9.2	14.8	-10.4	-9.2	-15.7	10.4	9.0	13.1	-11.6	-8.8	-10.2	20.8	9.7	8.6	10.5	-21.5
47.0	-1.4	-38.7	-13.4	10.9	-13.4	-9.1	-11.2	13.3	9.0	10.4	-17.1	-9.4	-9.1	-13.8	11.7	8.7	9.2	14.0
47.5	-1.0	-40.4	10.4	-9.6	-20.9	-9.8	-9.6	-22.2	-9.9	9.2	-14.9	-10.9	-8.8	-10.7	16.8	9.5	8.7	10.9
48.0	-0.6	-42.1	-13.3	9.2	12.2	-11.8	-9.1	-12.5	11.9	9.0	11.1	-14.5	-8.2	-9.4	-15.5	11.1	8.7	9.4
48.5	-0.2	-43.8	13.3	-9.7	-10.0	-17.9	-9.4	-10.1	18.4	9.5	9.6	18.1	-10.3	-8.9	8.5	14.9	9.3	8.8
49.0	0.2	-45.5	-12.3	11.5	9.3	14.4	-10.7	9.2	-14.3	11.0	9.0	12.0	-13.0	-9.0	9.7	-18.0	10.6	8.7
49.5	0.6	-47.2	10.1	-16.9	9.4	10.9	-14.1	-9.2	-10.9	14.7	9.3	10.0	-32.0	-9.9	-9.0	-12.1	13.6	9.1
50.0	1.0	-48.9	-10.1	16.9	9.4	9.5	18.7	-10.1	-9.5	-17.5	10.3	9.2	13.1	-12.0	-9.0	-10.0	-24.0	10.3
50.5	1.4	-50.6	-9.3	-14.8	13.4	9.3	12.0	-12.3	-9.2	-11.8	12.9	9.1	10.5	-17.9	-9.6	-9.1	-13.0	12.7
51.0	1.8	-52.3	9.3	-11.0	-21.8	9.9	10.0	-20.3	-9.6	-11.8	29.0	9.9	10.5	-14.8	-9.9	-8.9	-10.5	-21.1
51.5	2.2	-54.0	-14.2	-9.4	-12.5	11.7	9.3	13.8	-11.2	-9.2	-13.2	11.8	9.1	11.1	-15.1	-9.4	-9.3	-14.1

TABLE II. - Continued

BESSEL FUNCTIONS OF ORDER 18 TO 35

BESSEL FUNCTION ORDER

ARG	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
22.0	11.7	9.5	16.3	-10.0	-10.2	17.2	9.5	10.7	-15.1	-9.4	-10.5	17.1	9.6	9.7	17.4	-10.7	-9.0	-10.9
22.5	17.7	9.5	12.0	-12.0	-9.4	-14.8	13.7	9.6	17.0	-10.4	-9.4	-15.2	11.0	9.1	11.9	-13.6	-9.2	-9.6
23.0	-14.5	10.5	10.0	-13.6	-9.5	-11.1	13.7	9.4	11.7	-13.0	-9.3	-11.3	14.4	9.4	10.0	24.4	-10.2	-9.0
23.5	-11.0	13.3	9.5	14.2	-10.8	-9.7	-20.9	10.0	10.0	-29.4	-9.9	-9.8	12.0	10.4	9.3	13.0	-12.5	-9.1
24.0	-9.7	-23.3	9.0	13.9	-14.0	-9.4	-12.5	12.0	9.4	13.2	11.7	-9.3	12.8	12.8	9.2	10.5	-13.8	-9.9
24.5	-9.5	-12.6	11.4	9.7	19.7	-10.1	-10.3	18.0	9.7	10.6	-16.7	-9.6	10.2	23.1	10.0	9.5	14.4	-11.7
25.0	-10.5	-10.4	16.0	9.6	12.3	-12.0	-9.5	-14.6	10.9	9.5	15.5	-10.8	10.2	-13.7	11.8	9.2	11.1	-16.2
25.5	-13.1	-9.6	-15.9	10.4	10.2	-18.0	-9.7	-11.1	14.2	9.5	11.4	-13.9	-9.4	-10.8	16.7	9.7	9.7	16.4
26.0	23.2	-9.9	-11.5	12.8	19.6	14.6	13.8	-9.8	-19.4	10.3	9.9	20.9	10.3	-10.8	15.8	11.0	9.2	11.8
26.5	12.9	-11.3	-10.0	14.9	9.9	11.1	-13.9	-9.5	-12.3	12.4	9.4	12.6	-12.4	-9.4	11.6	14.3	9.5	10.0
27.0	10.5	-15.2	-9.6	-13.4	-11.3	9.3	20.4	-10.2	-10.3	19.6	9.8	10.4	-19.5	-9.9	10.0	-19.9	10.5	9.3
27.5	9.7	16.9	-10.3	-19.7	15.1	-9.6	12.5	-12.1	-9.6	-14.2	11.3	9.6	14.4	-11.4	-9.4	-12.6	12.9	9.4
28.0	9.9	11.3	-12.4	-9.7	-17.2	10.4	10.4	-18.0	-9.8	-11.0	14.9	9.6	11.1	-15.3	-9.6	-10.4	22.5	10.1
28.5	11.3	10.1	-19.9	-2.3	-11.9	12.5	9.7	11.2	-11.0	-9.8	-17.9	10.5	9.8	17.4	10.7	-9.5	-13.9	11.9
29.0	15.3	9.7	14.1	-11.0	-10.2	20.8	9.9	11.2	-14.1	-9.6	-12.1	12.9	9.5	12.1	13.3	-9.5	-11.0	16.8
29.5	-15.2	10.3	11.0	-14.1	-9.7	-14.0	11.2	9.9	20.3	-10.3	-10.3	23.1	10.0	10.2	41.8	-10.2	-9.8	-16.0
30.0	-11.2	12.3	9.0	20.0	-10.2	-11.0	14.7	9.7	12.6	-12.3	-9.6	-13.8	11.7	9.6	13.4	-12.1	-9.5	-11.7
30.5	-10.2	19.3	9.3	12.5	-11.9	-9.9	-18.4	10.4	9.7	14.7	-11.2	-10.9	16.0	9.8	10.8	-17.5	-9.9	-10.1
31.0	-9.9	-14.3	10.9	10.4	-17.3	-9.8	-12.2	12.4	10.5	17.7	-14.4	-9.8	16.5	10.9	9.8	15.4	-11.3	-9.5
31.5	-13.4	11.1	13.3	9.8	15.2	-10.8	-19.4	19.5	9.9	11.3	-14.4	-9.7	11.9	13.6	9.6	11.6	-14.7	-9.7
32.0	-12.7	-10.0	-21.2	10.2	11.4	-13.4	-9.8	-14.4	11.2	10.0	19.5	-10.5	10.2	-26.4	10.3	10.1	19.3	-10.7
32.5	-20.4	-10.0	-12.7	11.7	10.1	26.7	-10.2	-11.2	14.5	9.8	12.5	-12.5	-9.7	-13.2	12.2	9.6	12.6	-13.1
33.0	14.0	-11.0	-10.4	16.3	9.3	13.1	-11.7	-10.0	-19.3	10.4	9.8	-19.6	-10.0	-10.8	17.7	10.0	10.5	-22.9
33.5	11.0	-14.0	-5.9	-14.0	13.0	9.9	15.4	-10.7	-9.9	12.4	10.0	14.5	11.4	-9.8	15.4	11.3	9.7	14.0
34.0	10.1	12.7	-11.2	-10.2	-11.4	10.1	11.8	-13.1	-9.9	-14.6	11.3	10.0	18.4	-10.7	-10.1	-19.8	10.6	11.1
34.5	11.3	10.6	-16.4	-9.9	-13.7	11.4	10.3	-24.6	-10.2	-11.3	14.5	9.8	12.4	-12.9	-9.7	-12.7	12.9	9.7
35.0	14.7	10.0	16.1	-10.7	-11.0	14.9	19.9	13.7	-11.6	-9.9	-19.5	10.5	10.5	-21.9	-10.2	-10.6	20.9	10.2
35.5	-16.6	10.4	11.0	-13.3	-10.0	-13.3	10.5	11.0	-15.4	-9.9	-12.6	12.6	9.8	14.1	-11.7	-9.8	14.4	11.8
36.0	-12.4	12.1	10.3	-22.3	-10.1	-12.3	12.5	10.0	17.5	-10.7	-10.6	19.3	10.1	11.2	-15.8	-9.9	-11.3	15.9
36.5	-13.4	17.3	10.0	13.9	-11.3	-10.5	18.9	10.1	12.2	-12.9	-9.9	-14.7	11.4	10.1	17.2	-10.9	-10.1	-12.2
37.0	-15.0	-15.5	10.0	13.0	-11.4	-10.6	-14.8	11.2	10.3	-21.6	-10.2	-11.4	14.8	9.9	12.2	-13.5	-9.8	10.5
37.5	-10.6	-11.6	13.2	10.1	19.3	-10.5	-11.4	14.1	10.0	14.2	-11.5	-10.2	-19.3	10.7	10.5	-29.9	-10.4	-19.9
38.0	-12.7	-10.3	25.0	10.2	12.6	-12.2	10.2	-21.5	10.4	11.2	-15.1	-10.0	12.6	12.8	9.9	13.7	-12.1	-19.9
38.5	-13.6	-10.1	-13.7	11.4	10.6	-17.7	-10.1	-12.9	12.2	10.1	18.3	-10.7	10.7	20.0	10.2	11.1	-16.9	-10.1
39.0	14.5	-11.1	14.3	10.1	10.1	15.4	-11.0	-10.8	17.2	10.1	12.4	-12.8	10.3	-14.6	11.6	10.1	16.2	11.3
39.5	10.3	-13.7	-10.2	-19.0	10.5	11.7	13.6	-10.1	-15.8	11.1	10.6	-20.5	-10.3	-11.4	15.2	10.0	12.0	14.2
40.0	10.3	25.1	-10.3	-12.6	12.3	10.3	-10.4	-10.4	11.8	13.7	10.0	14.5	-11.6	-11.2	18.6	10.8	10.4	22.7
40.5	11.0	13.2	-11.7	-10.2	17.6	10.2	13.5	-11.8	-10.4	-23.1	10.4	11.4	-15.1	-10.0	-12.6	13.1	10.0	13.2
41.0	11.5	10.9	-15.5	-10.2	-15.5	11.0	11.0	-15.9	-10.1	-13.5	12.0	10.2	18.3	-10.8	-10.7	-10.4	10.0	10.9

TABLE II. - Continued
 BESSEL FUNCTIONS OF ORDER 18 TO 35

ARG	13	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
72.0	14.8	10.2	17.6	-10.7	-11.7	13.5	10.2	17.2	-10.8	-11.0	16.3	10.1	12.6	-12.9	-10.0	-14.4	11.8	10.1
72.5	-19.0	10.5	12.3	-12.5	-10.4	32.4	10.4	12.2	-13.0	-10.2	-16.7	11.0	10.7	-20.4	-10.3	-11.4	15.8	10.1
73.0	-12.6	12.1	10.3	-13.6	-10.2	-13.6	11.7	10.6	-21.4	-10.3	-12.1	13.4	10.1	14.6	-11.7	-10.3	-17.7	11.1
73.5	-10.7	16.9	10.2	15.0	-11.1	-11.1	15.5	10.2	14.3	-11.6	-10.5	25.6	10.4	11.5	-15.2	-10.1	-12.4	13.5
74.0	-10.3	-16.0	10.9	11.6	-13.7	-10.3	-17.9	10.8	11.4	-14.9	-10.2	-13.9	11.9	10.3	18.8	-10.9	-10.7	25.8
74.5	-10.8	-11.9	13.0	10.4	28.2	-10.5	-12.4	12.7	10.3	19.4	-10.7	-11.3	15.9	10.2	12.7	-13.0	10.1	14.0
75.0	-12.9	-10.5	21.6	10.4	13.5	-11.8	-10.7	19.4	10.3	12.8	-12.6	-10.3	-17.5	11.0	10.8	-20.8	10.4	11.3
75.5	-20.3	-10.3	-14.3	11.4	11.1	-15.6	-10.3	-14.9	11.4	10.8	-18.6	-10.3	-12.4	13.3	10.2	14.6	-11.8	-10.3
76.0	14.6	-11.2	14.3	10.3	10.3	17.7	-10.8	-11.6	14.3	10.2	15.2	-11.4	12.4	-14.3	10.5	11.5	-15.4	-10.2
76.5	11.5	-13.4	-10.4	-21.6	10.6	12.4	-12.8	-10.4	-22.2	10.6	11.7	-14.3	10.2	-14.3	11.9	10.4	18.5	11.0
77.0	10.5	25.7	-10.5	-13.1	12.1	10.7	-19.3	-10.4	-13.2	12.3	10.5	22.5	10.7	-11.4	15.7	10.2	12.7	13.3
77.5	10.5	13.4	-11.8	-11.0	16.3	10.3	15.0	-11.4	-11.0	17.0	10.3	13.3	-12.4	-10.3	-18.1	11.0	10.8	14.5
78.0	11.3	11.1	-15.4	-10.4	-16.9	11.0	11.7	-14.2	-10.3	-16.3	11.2	11.1	-17.4	-10.3	-12.6	13.0	10.2	14.5
78.5	15.4	10.4	18.3	12.6	-12.2	13.0	10.5	23.6	-10.6	-12.1	13.6	10.3	16.1	-11.3	-10.8	22.0	10.5	11.5
79.0	-18.3	10.3	12.6	-12.5	-10.7	20.5	10.5	13.4	-12.1	-10.7	26.6	10.6	12.1	-13.9	-10.3	-14.5	11.9	10.4
79.5	-12.6	12.4	10.6	-17.9	-10.4	-14.7	11.5	11.1	-16.4	-10.4	-14.0	11.9	10.6	28.9	-10.7	-11.5	15.6	10.3
80.0	-10.9	17.4	10.4	15.7	-11.2	-11.6	14.4	10.4	16.9	-11.1	-11.4	15.7	10.3	13.7	-12.3	-10.5	-18.3	11.1
80.5	-10.5	-16.0	11.1	11.9	-13.5	-10.5	-22.3	10.7	12.3	-13.3	-10.4	-18.0	11.0	11.3	-16.7	-10.4	-12.7	13.3
81.0	-12.0	-10.7	13.2	10.6	-25.3	-10.6	-13.3	12.2	10.8	-22.1	-10.6	-12.6	13.1	10.4	16.8	-11.3	10.9	22.1
81.5	-13.3	-10.6	21.9	10.5	14.1	-11.7	-11.1	16.6	10.4	14.5	-11.8	-10.9	20.6	10.6	12.3	-13.7	-10.7	-14.6
82.0	14.3	11.5	-14.5	11.5	11.4	-15.0	-10.5	-16.8	11.1	11.6	-15.0	-10.4	-14.8	11.7	10.8	-27.9	10.7	11.6
82.5	11.2	-11.5	-11.6	14.4	10.5	19.8	-10.8	-12.3	13.3	10.5	19.7	-10.9	-11.7	-20.1	11.0	14.1	-12.2	-10.5
83.0	11.2	-14.4	-10.6	-22.7	10.7	13.0	-12.5	-10.8	21.7	10.6	13.0	-12.7	-10.6	-13.1	12.8	11.5	-16.3	-10.4
83.5	10.6	22.7	-13.4	-13.4	12.1	11.1	-17.4	-10.5	-14.6	11.7	11.1	-18.3	-10.5	-13.1	12.8	-10.5	17.4	11.3
84.0	10.8	13.4	-12.0	-11.2	16.1	10.5	16.2	-11.2	-11.6	14.9	10.5	15.7	-11.5	-11.1	18.7	10.6	12.5	-13.7
84.5	12.2	11.2	-15.8	-10.6	-17.6	11.0	12.2	-13.5	-10.6	-20.5	10.9	12.0	-14.2	-10.5	-15.6	11.6	10.9	24.9
85.0	16.4	10.5	18.0	11.0	-12.5	12.9	13.8	-23.7	-10.7	-13.2	12.6	10.7	25.9	-10.8	12.0	14.5	10.4	14.3
85.5	-17.2	11.0	12.7	-12.7	-10.9	19.1	10.6	14.3	-11.8	-11.1	17.6	10.6	13.7	-12.3	-10.7	-22.9	10.9	11.6
86.0	-10.3	18.7	11.0	-13.2	-10.6	-15.3	11.5	11.6	-15.1	11.4	-16.2	11.4	-11.4	-16.7	-10.5	-13.5	12.6	10.6
86.5	-10.3	15.5	10.6	15.8	-11.3	-11.9	14.0	10.6	20.0	-11.0	-12.2	13.9	10.6	17.1	11.3	-11.3	17.7	10.6
87.0	-10.7	-15.5	11.3	12.1	-13.5	-10.8	-30.9	10.8	13.1	-12.6	-10.8	29.2	10.8	12.5	-13.6	-10.5	-16.3	11.6
87.5	-11.5	-12.0	13.6	10.8	-24.4	-10.7	-13.9	12.1	11.2	-17.7	-10.6	-14.1	12.1	-10.9	-21.0	-10.8	-12.3	27.2
88.0	19.1	-10.8	24.7	-10.7	14.3	-11.8	-11.5	15.7	10.6	16.1	-11.4	-11.5	15.9	10.6	14.4	-12.1	-10.9	-13.9
88.5	-29.0	-10.8	-14.3	10.7	11.6	-14.9	-10.7	-18.6	11.1	12.2	-13.8	-10.7	-18.3	11.2	11.7	-15.7	-10.6	13.9
89.0	13.8	-11.9	-11.6	14.7	10.7	20.9	-10.9	-12.9	12.9	10.9	-27.2	-10.8	-12.8	13.2	10.7	18.7	-13.3	11.5
89.5	11.5	-15.1	-10.7	-21.5	10.9	13.3	-12.4	-11.1	18.6	10.7	14.2	-12.1	11.1	-20.2	10.7	12.9	-10.6	10.8
90.0	10.7	19.9	-11.0	-13.4	12.3	11.3	-15.8	-10.7	-15.7	11.5	11.6	-15.6	-10.6	-15.2	11.8	11.1	-20.4	-10.8
90.5	11.1	13.1	-12.4	-11.3	16.3	10.7	17.0	-11.3	-12.1	14.0	10.7	18.8	-11.2	-12.0	14.9	10.6	15.1	-11.9
91.0	12.8	11.2	-16.7	-10.7	-17.5	11.2	12.5	-13.3	-10.9	-41.4	10.9	13.0	-13.0	-10.8	-21.6	-11.1	12.0	-15.1
91.5	13.0	10.7	17.1	-11.2	-12.7	13.0	-20.8	-20.8	-10.8	-14.1	12.2	11.2	-19.2	-10.7	-13.5	12.8	10.8	20.5

TABLE II. — Continued
 BESSEL FUNCTIONS OF ORDER 18 TO 35

	BESSEL FUNCTION ORDER																	
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
92.0	-15.0	11.3	12.6	-13.1	-11.1	19.1	10.8	15.0	-11.7	-11.6	15.8	10.7	15.6	-11.7	-11.4	17.8	10.7	13.3
93.0	-11.0	21.4	10.8	15.5	-11.5	-12.1	14.0	10.9	23.5	-11.0	-12.9	13.1	10.9	24.7	-11.0	-12.4	14.2	10.7
94.0	-11.9	-11.9	14.2	10.9	-28.0	-10.9	-14.2	12.1	11.5	-15.5	-10.7	-15.6	11.7	11.5	-16.3	-10.7	-14.1	12.5
95.0	23.6	-11.0	-14.0	12.1	11.7	-15.1	-10.8	-19.6	11.1	12.8	-13.3	-10.9	-26.0	11.0	12.7	-13.7	-10.8	-17.6
95.5	11.4	-16.3	-10.9	-13.7	11.1	13.4	-12.6	-11.3	17.7	10.8	15.3	-11.8	-11.6	16.5	10.8	-14.7	-12.2	-11.2
96.0	11.4	12.8	-12.9	-11.3	17.1	10.9	17.1	-11.4	-12.5	13.8	11.0	23.8	-11.1	-12.8	13.5	10.9	19.5	-11.3
97.0	21.4	10.9	16.2	-11.5	-12.6	13.3	11.2	-20.4	-10.9	-14.7	12.0	11.6	-16.7	-10.8	-15.1	12.1	11.4	-13.3
98.0	-12.0	14.2	11.1	12.0	-10.9	-15.4	11.7	12.1	14.0	-10.9	-21.0	11.2	12.8	-13.6	-12.0	-21.1	11.3	12.3
101.0	-13.5	-11.0	-21.0	11.2	14.0	-12.3	-33.5	15.6	10.9	18.6	-11.4	-12.7	13.8	11.0	-12.0	-11.5	18.0	10.9
102.0	13.0	11.0	-11.5	16.4	11.0	19.4	-11.3	-13.3	12.9	11.4	-11.4	-14.2	10.9	15.1	-12.0	-11.5	18.0	10.9
103.0	11.0	16.3	-11.5	-13.0	13.1	11.4	-17.6	11.0	10.9	11.6	12.4	-14.0	-14.9	12.1	11.6	-17.6	-14.1	-14.4
104.0	14.5	11.2	-21.0	-11.0	-16.2	11.5	12.7	-13.6	-11.2	22.2	11.1	14.4	-12.0	-11.6	17.8	11.0	14.7	-12.4
105.0	-11.1	12.2	12.2	-14.3	-11.2	22.5	11.1	15.2	-12.0	-12.1	-13.9	-14.0	19.4	11.4	-12.7	14.1	14.7	-12.4
106.0	-11.1	-20.8	11.3	14.4	-12.2	12.1	14.7	11.1	25.8	-11.2	-13.9	12.7	11.5	-18.6	-11.0	-14.7	12.4	11.5
107.0	13.0	-11.6	16.4	11.1	21.2	-11.3	14.0	12.5	11.8	-16.1	-11.1	-17.8	11.6	12.6	-14.3	-11.1	-19.7	11.5
108.0	13.0	-11.7	-13.1	13.0	11.7	-16.6	-11.1	-19.0	11.4	13.3	-13.2	-11.4	20.3	11.1	14.5	-12.5	-11.6	19.0
109.0	11.3	-23.0	-11.2	-13.2	11.7	13.1	-13.2	-11.5	18.2	11.1	16.3	-11.8	-12.4	14.7	11.1	-19.3	-11.5	-12.6
110.0	12.4	12.2	-14.4	-11.3	20.9	11.2	16.2	-11.8	-12.7	13.9	11.3	-25.2	-11.2	-14.2	12.7	11.6	-19.1	-11.1
111.0	11.4	11.4	14.4	-13.3	-12.3	14.4	11.3	-23.6	-11.2	-15.1	12.2	12.1	-15.5	-11.1	-18.3	11.6	12.6	-14.6
112.0	-11.0	17.0	11.2	21.6	-11.4	-14.5	12.3	12.2	-15.0	-12.7	-23.1	11.4	13.7	-13.0	-11.5	20.1	11.2	14.4
113.0	-11.9	-13.0	13.2	11.8	-16.4	-11.2	-21.0	11.4	14.0	-12.7	-11.8	16.7	11.2	17.2	-11.8	-12.5	14.8	11.2
114.0	-21.9	-11.3	-16.0	11.3	13.3	-13.1	-11.8	16.9	11.2	18.5	-11.6	-13.2	13.5	11.5	-22.4	-11.3	-14.3	12.8
115.0	12.1	-14.3	-11.4	-12.4	11.3	16.8	-11.8	-13.1	13.4	11.6	-18.9	-14.2	-16.0	12.1	12.3	-15.3	-14.3	-18.2
116.0	11.4	14.2	-12.4	-12.4	14.4	11.5	-21.1	-11.3	-16.1	12.0	12.7	-14.2	-11.4	-47.1	11.4	14.0	-13.0	-14.6
117.0	11.1	11.3	21.6	11.5	-14.7	12.3	12.4	-14.6	-11.4	25.5	11.3	14.9	-12.4	-12.1	16.1	11.2	17.5	-11.9
118.0	-12.4	13.6	11.8	-16.7	-11.2	-22.2	11.5	14.6	-12.5	-12.2	15.4	11.3	21.4	-11.5	-13.5	13.4	11.6	-22.3
119.0	-11.4	-15.9	11.9	13.3	-13.2	-11.9	16.5	11.3	20.7	-11.6	-14.0	-11.3	11.9	-17.4	-11.3	-16.6	-11.6	12.4
120.0	-13.6	-11.5	23.1	11.3	16.9	-11.8	-13.4	13.3	11.8	-17.2	-13.3	18.1	11.8	13.1	-13.9	-11.5	26.5	11.4
121.0	13.5	-12.8	-12.4	14.7	11.6	-20.7	-11.4	-16.9	11.9	13.2	-13.7	-11.7	19.8	-17.0	15.7	-12.3	-12.3	15.9
122.0	11.4	12.0	-17.5	-14.5	12.5	12.6	-14.5	-11.6	21.4	11.4	16.0	-12.1	-12.7	14.6	11.4	25.2	-11.5	-13.8
123.0	11.3	11.8	12.2	11.4	-21.7	11.6	14.8	-12.5	-12.5	14.8	11.5	-29.5	-11.5	-14.7	12.7	12.1	-16.8	-13.3
124.0	-11.3	12.2	13.1	-13.5	-12.0	16.6	11.4	22.5	-11.5	-14.6	12.6	12.3	-15.8	-11.4	-20.2	11.7	13.4	-13.7
125.0	-11.5	36.2	11.5	16.5	-12.0	-13.5	13.3	12.0	-16.6	-13.4	-20.3	17.7	13.9	-13.2	-11.9	18.2	11.4	16.1
126.0	-11.7	-12.2	15.3	11.6	-21.7	-11.5	-17.2	11.9	13.5	-13.4	-11.9	17.4	11.4	17.6	-12.0	-13.0	-14.2	11.6
127.0	11.7	-11.3	-14.2	13.7	12.6	-14.6	-11.7	20.6	11.5	16.9	-12.0	-13.2	13.9	-11.7	-21.0	-11.5	-15.4	12.5
128.0	11.7	-19.0	-11.5	-20.2	11.7	14.8	-12.5	-12.7	14.6	11.7	-22.0	-11.5	-15.9	12.3	12.7	-15.0	-11.5	-22.3
129.0	12.6	12.6	-13.9	-12.0	-13.4	11.5	22.7	-11.6	-15.0	12.6	11.7	-15.0	-11.6	-31.6	11.6	14.6	-12.9	-12.1
130.0	-22.9	11.6	15.8	-13.2	13.4	13.5	12.1	-16.5	-11.5	-23.4	12.7	14.6	-12.8	-12.3	16.2	11.5	19.2	-11.9
131.0	-12.1	16.2	11.6	-24.9	-11.6	-17.0	12.0	13.7	-13.4	-12.1	16.8	11.5	19.9	-11.8	-13.8	13.4	11.9	-13.2

TABLE II. -- Continued

BESSEL FUNCTIONS OF ORDER 18 TO 35

ARG	BESSEL FUNCTION ORDER																	
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
132.0	-12.1	-13.3	13.1	12.5	-15.0	-11.7	20.9	11.6	17.4	-12.0	-13.6	13.6	12.0	-18.2	11.5	-17.2	12.1	13.0
133.0	-22.3	-11.6	-18.5	11.9	14.6	-12.7	12.7	14.6	11.8	-20.6	-11.6	-16.8	12.2	13.2	14.2	-11.8	22.7	11.6
134.0	12.6	-14.6	18.1	11.6	11.6	21.4	-11.8	-15.1	12.6	12.8	-14.7	-11.8	22.9	11.6	15.7	-12.5	-12.6	15.4
135.0	11.8	15.1	-12.5	-13.2	13.8	12.1	-16.8	-11.6	-23.4	11.7	15.0	-12.7	-12.6	15.3	11.7	25.9	-11.7	-14.4
136.0	17.6	11.7	27.2	-11.7	-16.4	12.2	13.6	-13.5	-12.2	16.5	11.6	22.2	11.8	-14.5	13.0	12.3	-16.7	-14.6
137.0	-13.4	13.6	12.3	-15.7	-11.8	22.5	11.6	17.4	-12.1	-13.8	13.4	12.2	-17.1	-11.6	-19.4	12.0	13.8	-13.7
138.0	-11.7	-17.0	12.1	14.2	-13.0	-12.7	14.9	11.9	-20.5	-11.6	-17.5	12.1	13.6	-13.7	-12.0	13.8	11.6	16.8
139.0	-15.6	-11.9	20.0	11.7	19.7	-11.9	-14.9	12.7	12.9	-14.6	-11.9	20.8	11.7	16.8	-12.3	-13.2	14.4	11.8
140.0	14.4	-12.2	-13.0	14.3	12.1	-17.5	-11.7	-22.6	11.8	15.3	12.7	-12.9	14.8	11.8	24.2	-11.7	-15.5	12.7
141.0	11.7	20.8	-11.9	-15.7	12.4	13.5	-13.7	-12.2	16.6	11.7	23.9	-11.8	15.1	12.8	12.7	-15.6	-11.7	-23.4
142.0	14.3	12.4	13.3	-13.4	-12.6	15.4	11.9	-21.4	-11.7	-17.7	12.2	13.9	-13.6	-12.3	17.4	14.5	-13.2	12.3
143.0	-11.8	25.3	11.8	18.1	-12.1	-14.6	12.9	12.9	-14.8	-12.0	20.3	11.7	17.5	-12.2	-13.6	11.7	18.9	-12.1
144.0	-13.4	-12.7	15.0	-12.0	-18.8	-11.8	21.0	11.9	15.2	-12.7	-13.0	14.7	12.0	-21.2	-11.8	-16.6	12.1	13.1
145.0	13.0	-12.1	-15.0	12.7	13.3	-14.1	-12.3	17.1	11.8	23.8	-11.9	-15.4	12.8	12.9	-15.0	-11.9	26.3	11.8
146.0	12.1	-18.6	-13.8	-23.9	11.9	16.3	-12.4	-13.7	13.7	12.4	-16.6	-11.8	-24.0	11.9	15.1	-13.0	-12.7	15.9
147.0	12.3	13.3	-13.9	-12.4	16.2	11.9	-23.9	-11.8	-17.4	12.3	14.0	-13.5	12.4	16.8	11.8	21.3	-12.0	-14.4
148.0	-23.0	11.9	16.7	-12.3	-14.2	13.2	12.8	-15.2	-12.0	20.7	11.8	17.9	-12.3	-14.0	13.7	12.3	-17.7	-14.8
149.0	-12.4	16.2	12.0	-21.4	-11.8	-19.2	12.1	15.0	-12.9	-13.1	14.8	12.1	20.3	-11.8	-17.5	12.4	13.6	-14.1
150.0	-12.4	-14.3	13.2	13.0	-14.7	-12.2	18.0	11.9	22.3	-12.0	-15.5	12.8	13.1	-14.8	12.1	-13.0	15.2	16.5
151.0	-22.5	-11.9	-19.7	12.1	15.6	-12.7	-13.5	14.0	12.4	-16.9	-11.9	-24.8	12.0	15.5	-12.9	-13.0	11.9	-15.5
152.0	12.3	-14.8	-12.7	-13.8	13.7	12.7	-11.9	-15.9	12.4	14.0	-13.6	-12.5	16.6	11.9	23.8	-16.9	-15.1	13.1
153.0	12.1	15.5	-12.3	-13.8	-13.7	12.7	-15.8	-12.0	22.1	11.9	17.8	-12.3	-14.1	13.6	12.5	-16.9	-11.9	-20.8
154.0	13.0	-12.0	-37.2	-11.9	-17.7	12.3	14.6	-13.2	-13.0	15.0	-21.1	-20.3	-11.9	-18.0	12.3	14.0	-13.8	-12.4
155.0	-13.5	13.8	12.7	-15.5	-12.1	19.7	11.9	20.4	-12.1	-15.3	12.9	13.2	14.8	-12.2	20.4	11.9	17.4	-12.5
156.0	-12.0	-17.5	12.3	14.3	-13.0	-13.3	14.4	12.4	-17.5	-12.0	-23.7	12.1	15.6	-12.9	-13.2	14.9	12.1	-22.4
157.0	15.0	-12.1	19.7	-12.0	22.1	-12.1	-15.2	12.6	13.8	-13.9	-12.6	16.7	12.0	-25.5	-12.1	-15.5	13.0	-13.0
158.0	14.6	-13.1	-13.3	14.3	12.5	-16.7	-12.0	26.2	12.0	17.4	-12.4	-14.2	13.7	12.6	-16.6	-12.0	-23.4	12.1
159.0	12.0	21.1	-12.1	-16.4	12.6	14.2	-13.5	-12.9	15.5	12.2	-21.1	-12.0	-18.2	12.4	14.2	-13.7	-12.6	17.2
160.0	14.7	12.5	-16.3	-12.1	23.4	12.0	18.7	-12.3	-15.0	13.1	13.2	14.9	-12.2	20.1	12.0	18.1	-12.4	-14.0
161.0	-15.9	12.7	14.1	13.5	-13.0	15.1	12.3	-18.7	-12.0	-21.7	12.2	15.6	-12.9	-13.3	14.8	12.2	-20.6	-12.0
162.0	-13.4	-12.9	15.2	-12.3	-12.3	-15.4	12.9	13.6	-14.2	-12.5	17.2	12.0	25.1	-12.1	-15.8	-13.9	13.3	-15.0
163.0	17.3	-12.4	-15.3	12.9	-18.2	-12.1	-25.1	12.1	16.7	-12.6	-14.1	13.8	12.7	-16.6	-12.1	-25.9	12.1	15.5
164.0	17.3	-19.0	-12.1	-26.1	12.1	17.3	-12.5	-14.6	13.4	13.1	-15.3	-12.3	20.5	12.0	-13.7	-12.7	16.7	12.1
165.0	13.3	13.6	-14.2	-12.7	16.1	12.2	-20.8	-12.1	-19.9	12.3	15.3	13.1	13.3	12.0	18.4	-12.5	-14.3	13.8
166.0	-21.3	12.2	17.0	-12.6	-14.7	13.3	13.3	-11.8	-12.5	18.0	12.1	23.2	-13.3	-15.8	13.0	-20.0	-12.1	-18.1
167.0	-12.6	16.6	12.2	-21.1	-12.1	-20.8	12.3	16.0	-12.8	-13.9	14.1	12.7	-16.9	-12.1	-26.5	12.2	15.9	-13.0
168.0	-12.7	-14.4	17.3	13.3	-14.7	-12.6	-17.3	12.2	-31.8	-12.2	-17.3	12.6	14.3	-13.8	-12.8	-14.6	-12.1	25.9
171.0	-24.8	-12.1	-19.3	12.3	16.1	-12.8	-14.1	13.8	12.9	-15.8	-12.3	21.8	12.1	18.3	-12.5	-14.5	13.8	12.8

TABLE II. — Continued

BESSEL FUNCTIONS OF ORDER 18 TO 35

BESSEL FUNCTION ORDER

ARG	13	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
172.0	13.1	-15.2	-12.5	17.6	12.2	-26.9	-12.2	-18.3	12.5	15.0	-13.3	-13.3	15.2	12.4	-20.1	-12.1	18.6	12.5
173.0	12.5	15.5	-12.9	-14.1	13.8	13.0	-15.5	-12.4	19.5	12.1	21.1	-12.3	15.6	13.1	13.5	-14.9	-12.4	20.0
174.0	13.9	12.2	34.3	-12.2	-18.3	12.5	15.3	-13.2	-13.6	14.5	12.6	17.5	12.2	-24.9	12.3	16.0	-12.8	23.5
175.0	-13.7	14.2	12.9	-15.8	-12.4	19.2	12.2	23.5	-12.3	-16.6	12.8	14.1	14.0	-12.8	16.8	12.2	-12.8	21.2
176.0	-12.3	-17.3	12.6	15.1	-13.2	-13.7	14.4	12.8	-16.7	-12.3	24.8	12.2	17.8	-12.6	14.5	13.8	12.9	16.6
177.0	-16.6	-13.5	20.3	12.2	23.0	-12.3	16.9	12.7	14.5	-13.7	-13.1	15.6	12.4	-20.9	-12.2	-18.6	12.6	14.6
178.0	14.6	20.4	-12.4	-15.6	12.8	-16.6	-12.3	22.3	12.2	19.3	-12.5	15.3	13.3	13.4	15.1	-12.5	19.9	12.2
179.0	12.0	12.6	17.3	-12.3	12.8	14.6	-13.6	-13.3	15.1	12.6	-18.6	-12.2	22.5	12.4	15.9	13.1	-13.6	14.9
180.0	15.2	12.6	12.8	-12.3	23.1	12.2	19.8	-12.4	-15.8	13.1	13.9	-14.4	12.8	17.2	12.3	25.8	-12.3	16.2
181.0	-12.3	13.0	-12.5	-13.8	-12.5	-15.8	12.6	-12.4	-12.3	-29.4	12.3	17.1	12.8	-14.3	-18.3	12.9	16.7	12.3
182.0	-12.3	34.6	14.3	12.3	-12.5	-15.8	13.1	14.1	-14.1	-13.0	16.2	12.4	22.7	-12.3	-18.3	12.7	-14.6	13.8
183.0	-14.3	-13.1	15.7	12.6	-18.4	-12.3	-34.0	12.3	17.8	-12.7	-14.9	13.6	13.3	-15.4	-12.5	20.3	12.3	18.9
184.0	17.4	-12.7	-12.3	13.2	14.0	-14.2	-13.0	16.0	12.5	-20.4	-12.3	12.5	12.5	15.6	-13.3	-13.6	15.0	12.6
185.0	12.5	-20.2	-12.3	-25.1	12.4	17.7	-12.7	-15.1	13.4	13.6	-14.9	-12.7	18.0	14.2	24.2	-12.4	-12.4	23.0
186.0	13.6	13.6	-14.6	-12.8	16.3	12.5	-20.3	-12.3	-21.9	12.4	16.4	-13.0	14.1	14.2	12.9	17.0	-12.4	22.0
187.0	-20.4	12.5	16.9	-12.8	-14.9	13.5	13.6	-14.8	-12.8	17.2	12.4	-27.8	-12.3	-17.7	12.8	14.6	-14.0	13.0
188.0	-12.7	17.4	12.4	-22.0	-12.3	-21.3	12.5	16.6	-12.9	-14.5	13.9	13.2	-15.9	-12.5	21.5	12.3	18.0	12.7
189.0	13.1	-14.4	13.5	13.5	-15.0	-12.8	17.3	12.4	-24.5	-12.4	-18.8	12.7	15.3	-13.5	-13.5	15.3	12.6	20.0
190.0	43.1	-12.4	-19.4	12.6	16.2	-13.0	-14.5	13.9	13.3	-15.5	-12.6	19.2	12.4	21.9	-12.5	-15.3	13.3	13.7
191.0	13.1	-15.8	-12.7	-14.2	12.4	-26.7	-12.4	-19.1	12.6	15.7	-13.3	-13.9	14.6	12.9	-17.6	-12.4	-26.3	12.5
192.0	12.8	15.4	-13.3	14.2	14.1	13.3	-15.6	-12.7	18.8	12.4	25.3	-12.5	-17.0	13.0	14.4	-14.2	-12.8	16.8
193.0	20.5	12.4	26.0	-12.4	-18.3	12.7	15.6	-13.3	-14.0	14.4	13.0	-16.7	-12.5	-13.4	12.4	12.6	-20.7	14.7
194.0	-13.7	14.7	13.1	-12.6	-12.6	19.4	12.4	25.6	-12.5	-17.5	12.9	14.8	13.8	13.4	15.7	12.6	13.7	12.4
195.0	-12.6	-16.3	12.9	-15.1	-13.5	-12.5	14.6	13.1	-16.5	-12.6	21.6	12.4	20.0	-12.6	-12.4	-13.0	-14.6	14.1
196.0	-17.5	-12.5	21.9	12.4	22.4	-12.5	-17.2	12.9	15.0	-13.7	-13.6	15.2	12.8	-18.5	-12.4	-23.5	12.5	16.2
197.0	14.4	-13.6	-13.6	15.0	13.0	-16.9	-12.6	21.7	12.4	20.8	-12.6	-16.2	13.2	14.1	-14.5	-13.0	17.2	12.5
198.0	12.5	13.3	-12.7	-16.5	13.1	14.7	-13.8	-13.6	15.1	13.9	-17.8	-12.5	52.9	12.5	17.5	-22.2	-14.6	14.1
199.0	16.0	12.3	-18.2	-12.5	24.7	12.5	20.1	-12.6	-16.3	13.2	14.4	-14.2	-13.2	16.3	12.6	22.2	-12.5	18.7
200.0	-15.4	13.4	14.3	-14.2	-12.8	15.5	12.8	-18.0	-12.5	28.9	12.5	18.4	12.8	-12.5	13.7	13.5	-12.5	12.7
201.0	-12.5	-25.4	12.5	13.5	-12.8	-15.9	14.3	-14.3	-14.2	-13.3	16.0	12.7	20.0	-12.5	-21.2	12.7	16.0	13.4
202.0	-14.0	13.1	16.3	12.7	-19.1	-12.5	-33.1	12.5	18.4	-12.8	-15.5	13.5	13.9	-14.9	-12.9	17.9	12.5	25.5
203.0	16.8	-13.0	-15.2	13.6	14.1	-14.5	-13.2	16.1	12.7	-19.7	-12.5	-23.2	12.6	16.8	-13.2	-14.4	14.4	13.1
204.0	12.5	-22.4	-12.3	-22.9	12.6	17.7	-12.9	-15.4	13.6	14.0	-14.8	-13.1	17.1	12.6	25.9	-12.5	-18.1	13.0
205.0	14.1	12.3	-15.1	-13.1	16.8	13.8	-20.7	-12.5	-23.0	12.6	17.1	-13.1	-14.8	14.0	13.4	-16.0	-12.7	13.0
206.0	-19.0	12.3	16.3	-13.1	-14.9	13.8	13.8	-14.9	-13.1	17.1	12.6	-23.2	-12.5	-19.4	12.8	15.6	-13.6	12.8
207.0	-12.3	13.5	12.6	-22.4	-12.6	-20.9	17.6	16.8	-23.1	-14.8	14.0	13.6	15.5	-12.9	19.1	12.5	22.7	17.5
208.0	23.5	-14.3	14.3	13.5	-15.5	-13.0	12.6	-23.8	-23.8	-12.6	-19.9	12.8	16.0	-13.4	-14.1	14.7	13.1	14.6
209.0	23.9	-12.5	-16.5	12.8	16.1	-13.3	-14.6	14.1	13.6	-15.6	-12.9	18.5	12.5	27.7	12.6	-17.3	13.1	14.6
210.0	13.2	-15.6	-12.4	19.2	12.6	-31.8	-12.6	-19.2	12.8	-16.1	-13.4	-14.3	14.5	13.3	-15.7	-12.0	-23.3	12.6
211.0	13.2	15.2	-13.7	-14.2	14.5	13.4	-16.0	-12.9	18.8	12.6	30.3	-12.6	-18.0	13.0	15.1	-13.0	-13.6	15.7

TABLE III
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	
0.0	309.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
0.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
0.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
0.3	712.3	736.2	760.3	784.7	809.6	834.7	859.9	885.4	911.0	936.7	962.5	988.4	1014.4	1040.5	1066.7	1093.0	1119.4	1145.9	1172.5
0.4	667.3	690.0	712.8	736.7	760.7	784.7	808.8	833.0	857.3	881.7	906.2	930.8	955.5	980.3	1005.2	1030.2	1055.3	1080.5	1105.8
0.5	632.5	654.2	676.0	697.9	719.9	742.1	764.3	786.6	809.0	831.5	854.1	876.8	899.6	922.5	945.5	968.6	991.8	1015.1	1038.5
0.6	604.0	624.9	645.9	667.0	688.3	709.6	731.1	752.7	774.4	796.2	818.1	840.1	862.2	884.4	906.7	929.1	951.6	974.2	996.9
0.7	579.9	600.1	620.3	640.6	661.0	681.4	701.9	722.4	743.0	763.6	784.3	805.1	826.0	847.0	868.1	889.3	910.6	932.0	953.5
0.8	559.0	578.6	598.4	618.3	638.3	658.4	678.5	698.6	718.8	739.0	759.3	779.7	799.9	820.3	840.8	861.4	882.1	902.9	923.8
0.9	540.6	559.7	579.0	598.4	617.9	637.4	657.0	676.6	696.3	716.0	735.8	755.7	775.7	795.8	816.0	836.3	856.7	877.2	897.8
1.0	523.9	542.8	561.6	580.5	599.4	618.4	637.4	656.4	675.4	694.4	713.4	732.4	751.5	770.6	789.8	809.1	828.5	848.0	867.6
1.1	509.9	527.5	545.9	564.4	583.0	601.7	620.6	639.5	658.5	677.6	696.9	716.2	735.6	755.1	774.7	794.4	814.2	834.1	854.1
1.2	495.6	513.5	531.9	549.7	567.9	586.2	604.7	623.2	641.9	660.6	679.5	698.4	717.5	736.6	755.8	775.1	794.6	814.2	833.9
1.3	483.1	500.7	518.3	535.1	554.0	572.0	590.1	608.3	626.6	645.0	663.5	682.1	700.8	719.6	738.4	757.4	776.5	795.7	815.0
1.4	471.5	488.8	506.1	523.6	541.1	558.8	576.6	594.5	612.5	630.5	648.7	667.0	685.3	703.8	722.3	740.9	759.7	778.6	797.6
1.5	460.7	477.7	494.7	511.9	529.2	546.5	564.0	581.6	599.3	617.1	634.9	652.9	671.0	689.1	707.3	725.7	744.1	762.6	781.1
1.6	450.7	467.3	484.1	501.0	517.9	535.0	552.2	569.5	586.9	604.4	622.0	639.7	657.5	675.4	693.3	711.4	729.5	747.7	766.0
1.7	441.2	457.6	474.1	490.7	507.4	524.3	541.2	558.2	575.4	592.6	609.9	627.4	644.9	662.5	680.2	698.0	715.8	733.8	751.8
1.8	432.3	448.4	464.7	481.0	497.5	514.1	530.8	547.6	564.5	581.4	598.5	615.7	633.0	650.3	667.8	685.3	702.9	720.6	738.4
1.9	423.8	439.7	455.8	471.9	488.1	504.5	520.9	537.5	554.3	570.9	587.7	604.7	621.7	638.8	656.0	673.3	690.7	708.2	725.7
2.0	415.8	431.5	447.3	463.2	479.2	495.3	511.6	527.9	544.3	560.9	577.5	594.2	611.0	627.9	644.9	662.0	679.1	696.4	713.7
2.1	408.3	423.7	439.3	455.0	470.8	486.7	502.7	518.8	535.0	551.3	567.8	584.3	600.9	617.6	634.3	651.2	668.1	685.2	702.4
2.2	400.9	416.2	431.6	447.1	462.7	478.4	494.2	510.1	526.2	542.3	558.5	574.8	591.2	607.7	624.2	640.9	657.6	674.5	691.5
2.3	394.0	409.1	424.3	439.6	455.0	470.5	486.1	501.8	517.7	533.6	549.6	565.7	581.9	598.2	614.6	631.1	647.6	664.2	680.9
2.4	387.4	402.3	417.3	432.4	447.6	462.9	478.4	493.9	509.5	525.3	541.1	557.0	573.1	589.2	605.4	621.6	638.0	654.5	671.1
2.5	381.0	395.7	410.5	425.5	440.5	455.7	470.9	486.3	501.8	517.3	533.0	548.7	564.6	580.5	596.5	612.6	628.8	645.1	661.5
2.6	374.9	389.4	404.1	418.8	433.7	448.7	463.8	479.0	494.3	509.7	525.1	540.7	556.4	572.2	588.0	603.9	620.0	636.1	652.4
2.7	369.0	383.4	397.9	412.5	427.2	442.0	456.9	471.9	487.1	502.3	517.6	533.0	548.5	564.1	579.8	595.6	611.4	627.4	643.4
2.8	363.3	377.5	391.9	406.3	420.9	435.5	450.3	465.2	480.1	495.2	510.4	525.6	541.0	556.4	571.9	587.5	603.2	619.0	634.8
2.9	357.9	371.9	386.1	400.4	414.8	429.3	443.9	458.6	473.4	488.4	503.4	518.5	533.7	549.0	564.3	579.8	595.3	611.0	626.6
3.0	352.6	366.5	380.5	394.7	408.9	423.3	437.7	452.3	467.0	481.7	496.6	511.6	526.6	541.8	557.0	572.3	587.7	603.2	618.7
3.1	347.5	361.2	375.1	389.1	403.2	417.5	431.8	446.2	460.7	475.4	490.1	504.9	519.8	534.8	549.9	565.0	580.3	595.6	611.1
3.2	342.5	356.2	369.9	383.8	397.7	411.8	426.0	440.3	454.7	469.2	483.7	498.4	513.2	528.0	543.0	558.0	573.1	588.3	603.3
3.3	337.7	351.2	364.8	378.6	392.4	406.4	420.4	434.6	448.8	463.2	477.6	492.2	506.8	521.5	536.3	551.2	566.2	581.3	596.4
3.4	333.1	346.5	359.9	373.5	387.2	401.1	415.0	429.0	443.1	457.3	471.7	486.1	500.6	515.2	529.9	544.6	559.5	574.4	589.4
3.5	328.6	341.8	355.0	368.6	382.2	395.9	409.7	423.6	437.6	451.7	465.9	480.2	494.6	509.0	523.5	538.2	552.9	567.7	582.5
3.6	324.5	337.5	350.5	363.9	377.4	390.9	404.6	418.4	432.2	446.2	460.3	474.4	488.7	503.0	517.5	532.0	546.6	561.3	576.0
3.7	319.9	332.9	346.0	359.3	372.6	386.1	399.6	413.3	427.0	440.9	454.8	468.9	483.0	497.2	511.5	525.9	540.4	555.0	569.6
3.8	315.8	328.7	341.7	354.8	368.0	381.3	394.8	408.3	421.9	435.7	449.5	463.4	477.5	491.6	505.8	520.0	534.4	548.9	563.4
3.9	311.7	324.5	337.4	350.4	363.5	376.7	390.0	403.5	417.0	430.5	444.3	458.2	472.1	486.1	499.9	514.3	528.6	543.1	557.6

TABLE III. - Continued

BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	BESSEL FUNCTION ORDER																	
	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
4.0	307.8	320.5	333.2	346.1	359.1	372.2	385.4	398.8	412.2	425.7	439.3	453.0	466.8	480.7	494.7	508.7	522.9	537.1
4.1	304.0	316.5	329.2	342.0	354.9	367.9	381.0	394.2	407.5	420.9	434.4	448.0	461.7	475.4	489.3	503.3	517.3	531.4
4.2	300.2	312.7	325.2	337.9	350.7	363.6	376.6	389.7	402.9	416.2	429.6	443.1	456.7	470.3	484.1	497.9	511.9	525.9
4.3	296.6	308.9	321.4	333.9	346.6	359.4	372.3	385.3	398.4	411.6	424.9	438.3	451.8	465.3	479.0	492.7	506.6	520.5
4.4	293.0	305.2	317.6	330.1	342.7	355.4	368.1	381.0	394.0	407.1	420.3	433.6	447.0	460.5	474.0	487.7	501.4	515.2
4.5	289.5	301.7	313.9	326.3	338.8	351.4	364.1	376.9	389.8	402.8	415.9	429.1	442.3	455.7	469.2	482.7	496.3	510.1
4.6	286.1	298.2	310.3	322.6	335.0	347.5	360.1	372.8	385.6	398.5	411.5	424.6	437.8	451.1	464.4	477.9	491.4	505.0
4.7	282.8	294.7	306.8	319.0	331.3	343.7	356.2	368.8	381.5	394.3	407.2	420.2	433.3	446.5	459.8	473.1	486.6	500.1
4.8	279.5	291.4	303.3	315.4	327.6	340.0	352.4	364.9	377.5	390.2	403.0	415.9	428.9	442.0	455.2	468.5	481.8	495.3
4.9	276.3	288.1	300.0	312.0	324.1	336.3	348.6	361.1	373.6	386.2	398.9	411.8	424.7	437.7	450.8	463.9	477.2	490.5
5.0	273.2	284.9	296.7	308.6	320.6	332.7	345.0	357.3	369.8	382.3	394.9	407.7	420.5	433.4	446.4	459.5	472.7	485.9
5.1	270.1	281.7	293.4	305.3	317.2	329.2	341.4	353.6	366.0	378.4	391.0	403.6	416.4	429.2	442.1	455.1	468.2	481.4
5.2	267.1	278.5	290.2	302.0	313.8	325.8	337.9	350.0	362.3	374.7	387.1	399.7	412.4	425.1	437.9	450.8	463.8	476.9
5.3	264.2	275.6	287.1	298.8	310.6	322.4	334.4	346.5	358.7	371.0	383.4	395.8	408.4	421.1	433.8	446.6	459.6	472.6
5.4	261.3	272.6	284.1	295.7	307.3	319.1	331.0	343.0	355.2	367.4	379.7	392.0	404.5	417.1	429.8	442.5	455.4	468.3
5.5	258.4	269.7	281.1	292.6	304.2	315.9	327.7	339.6	351.7	363.8	376.0	388.3	400.7	413.2	425.8	438.5	451.2	464.1
5.6	255.7	266.8	278.1	289.6	301.1	312.7	324.5	336.3	348.3	360.3	372.4	384.7	397.0	409.4	421.9	434.5	447.2	459.9
5.7	252.9	264.0	275.3	286.6	298.0	309.6	321.3	333.0	344.9	356.9	368.9	381.1	393.3	405.7	418.1	430.6	443.2	455.9
5.8	250.2	261.3	272.4	283.7	295.1	306.5	318.1	329.8	341.6	353.5	365.5	377.6	389.7	402.0	414.3	426.8	439.3	451.9
5.9	247.6	258.6	269.6	280.8	292.1	303.5	315.0	326.6	338.4	350.2	362.1	374.1	386.2	398.4	410.7	423.0	435.5	448.0
6.0	245.0	255.9	266.9	278.0	289.2	300.6	312.0	323.5	335.2	346.9	358.8	370.7	382.7	394.8	407.0	419.3	431.7	444.2
6.1	242.5	253.3	264.2	275.2	286.4	297.6	309.0	320.5	332.1	343.7	355.5	367.3	379.3	391.3	403.5	415.7	428.0	440.4
6.2	239.9	250.7	261.5	272.5	283.6	294.8	306.1	317.5	329.0	340.6	352.3	364.1	375.9	387.9	400.0	412.1	424.3	436.7
6.3	237.5	248.2	258.9	269.8	280.8	292.0	303.2	314.5	325.9	337.5	349.1	360.8	372.6	384.5	396.5	408.6	420.8	433.0
6.4	235.1	245.7	256.4	267.2	278.1	289.2	300.4	311.6	323.0	334.4	346.0	357.6	369.4	381.2	393.1	405.1	417.2	429.4
6.5	232.7	243.2	253.8	264.6	275.5	286.5	297.6	308.7	320.0	331.4	342.9	354.5	366.2	377.9	389.8	401.7	413.8	425.9
6.6	230.3	240.8	251.4	262.1	272.9	283.8	294.8	305.9	317.2	328.5	339.9	351.4	363.0	374.7	386.5	398.4	410.3	422.4
6.7	228.0	238.4	248.9	259.6	270.3	281.1	292.1	303.2	314.3	325.6	336.9	348.4	359.9	371.5	383.3	395.1	407.0	418.9
6.8	225.7	236.1	246.5	257.1	267.8	278.5	289.4	300.4	311.5	322.7	334.0	345.4	356.9	368.4	380.1	391.8	403.6	415.6
6.9	223.5	233.8	244.1	254.6	265.3	276.0	286.8	297.7	308.8	319.9	331.1	342.4	353.8	365.3	376.9	388.6	400.4	412.2
7.0	221.3	231.5	241.8	252.2	262.8	273.4	284.2	295.1	306.0	317.1	328.3	339.5	350.9	362.3	373.8	385.5	397.2	408.9
7.1	219.1	229.2	239.5	249.9	260.4	271.0	281.7	292.5	303.4	314.4	325.5	336.7	347.9	359.3	370.8	382.3	394.0	405.7
7.2	217.0	227.0	237.2	247.6	258.0	268.5	279.1	289.9	300.7	311.7	322.7	333.8	345.1	356.4	367.8	379.3	390.9	402.5
7.3	214.9	224.9	235.0	245.3	255.6	266.1	276.7	287.3	298.1	309.0	320.0	331.1	342.2	353.5	364.8	376.3	387.8	399.4
7.4	212.8	222.7	232.8	243.0	253.3	263.7	274.2	284.8	295.6	306.4	317.3	328.3	339.4	350.6	361.9	373.3	384.7	396.3
7.5	210.7	220.6	230.6	240.8	251.0	261.4	271.8	282.4	293.0	303.8	314.7	325.6	336.7	347.8	359.0	370.3	381.7	393.2
7.6	208.7	218.5	228.5	238.6	248.7	259.0	269.4	279.9	290.5	301.2	312.0	322.9	333.9	345.0	356.2	367.4	378.8	390.2
7.7	206.7	216.5	226.4	236.4	246.5	256.7	267.1	277.5	288.1	298.7	309.5	320.3	331.2	342.3	353.4	364.6	375.8	387.2
7.8	204.7	214.4	224.3	234.2	244.3	254.5	264.8	275.2	285.7	296.2	306.9	317.7	328.6	339.5	350.6	361.7	373.0	384.3
7.9	202.8	212.4	222.2	232.1	242.1	252.3	262.5	272.8	283.3	293.8	304.4	315.1	326.0	336.9	347.9	358.9	370.1	381.4

TABLE III. - Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
8.0	200.9	210.5	220.2	230.0	240.0	250.1	260.2	270.5	280.9	291.4	301.9	312.6	323.4	334.2	345.2	356.2	367.3	378.5
8.2	197.1	206.6	216.2	225.9	235.8	245.7	255.8	266.0	276.3	286.6	297.1	307.6	318.3	329.0	339.9	350.8	361.8	372.9
8.4	193.4	202.8	212.3	222.0	231.7	241.5	251.5	261.6	271.7	282.0	292.3	302.8	313.3	324.0	334.9	345.5	356.4	367.4
8.6	189.8	199.1	208.5	218.1	227.7	237.4	247.3	257.3	267.3	277.5	287.7	298.1	308.5	319.1	329.7	340.4	351.2	362.1
8.8	186.4	195.5	204.8	214.3	223.8	233.4	243.2	253.0	263.0	273.1	283.2	293.5	303.8	314.2	324.8	335.4	346.1	356.8
9.0	182.9	192.0	201.2	210.6	220.0	229.5	239.2	248.9	258.8	268.8	278.8	289.0	299.2	309.5	319.0	329.0	339.1	349.1
9.2	179.6	188.6	197.7	206.9	216.3	225.7	235.3	244.9	254.7	264.6	274.5	284.6	294.7	304.9	315.3	325.7	336.2	346.8
9.4	176.4	185.3	194.3	203.4	212.6	222.0	231.4	241.0	250.7	260.4	270.3	280.2	290.3	300.4	310.7	321.0	331.4	341.9
9.6	173.2	182.0	190.9	199.9	209.1	218.3	227.7	237.2	246.7	256.4	266.2	276.0	286.0	296.0	306.2	316.4	326.7	337.1
9.8	170.1	178.8	187.6	196.5	205.6	214.8	224.0	233.4	242.9	252.5	262.1	271.9	281.8	291.7	301.8	311.9	322.1	332.4
10.0	167.0	175.7	184.4	193.2	202.2	211.3	220.5	229.7	239.1	248.6	258.2	267.9	277.7	287.5	297.5	307.5	317.7	327.9
10.2	164.1	172.6	181.2	190.0	198.9	207.8	216.9	226.1	235.4	244.8	254.3	263.9	273.6	283.4	293.3	303.2	313.3	323.4
10.4	161.1	169.6	178.1	186.8	195.6	204.5	213.5	222.6	231.8	241.1	250.6	260.1	269.7	279.4	289.1	299.0	309.0	319.0
10.6	158.3	166.6	175.1	183.7	192.4	201.2	210.1	219.2	228.3	237.5	246.9	256.3	265.8	275.4	285.1	294.9	304.8	314.7
10.8	155.5	163.8	172.2	180.7	189.3	198.0	206.8	215.8	224.8	234.0	243.2	252.6	262.0	271.5	281.1	290.8	300.6	310.5
11.0	152.8	160.9	169.2	177.7	186.2	194.9	203.6	212.5	221.4	230.5	239.7	248.9	258.3	267.7	277.2	286.9	296.6	306.4
11.2	150.1	158.2	166.4	174.7	183.2	191.8	200.4	209.2	218.1	227.1	236.2	245.3	254.6	264.0	273.4	283.0	292.6	302.3
11.4	147.4	155.5	163.6	171.9	180.2	188.7	197.3	206.0	214.8	223.7	232.7	241.8	251.0	260.3	269.7	279.1	288.7	298.3
11.6	144.9	152.8	160.9	169.0	177.3	185.8	194.3	202.9	211.6	220.4	229.4	238.4	247.5	256.7	265.0	273.4	284.9	294.4
11.8	142.3	150.2	158.2	166.3	174.5	182.8	191.3	199.8	208.5	217.2	226.1	235.0	244.0	253.2	262.4	271.7	281.1	290.6
12.0	139.9	147.6	155.5	163.6	171.7	180.0	188.3	196.8	205.4	214.0	222.8	231.7	240.6	249.7	258.8	268.1	277.4	286.8
12.2	137.4	145.1	153.0	160.9	169.0	177.1	185.4	193.8	202.3	210.9	219.6	228.4	237.3	246.3	255.4	264.5	273.8	283.1
12.4	135.0	142.7	150.4	158.3	166.3	174.4	182.6	190.9	199.3	207.9	216.5	225.2	234.0	242.9	251.9	261.0	270.2	279.5
12.6	132.7	140.2	147.9	155.7	163.6	171.7	179.8	188.1	196.4	204.9	213.4	222.1	230.8	239.6	248.6	257.6	266.7	275.9
12.8	130.4	137.8	145.5	153.2	161.0	169.0	177.1	185.2	193.5	201.9	210.4	219.0	227.6	236.4	245.3	254.2	263.2	272.4
13.0	128.1	135.5	143.0	150.7	158.5	166.4	174.4	182.5	190.7	199.0	207.4	215.9	224.5	233.2	242.0	250.9	259.8	268.9
13.2	125.9	133.2	140.7	148.3	156.0	163.8	171.7	179.8	187.9	196.1	204.5	212.9	221.5	230.1	238.8	247.6	256.5	265.5
13.4	123.7	131.0	138.4	145.9	153.5	161.3	169.1	177.1	185.2	193.3	201.6	210.0	218.4	227.0	235.6	244.4	253.2	262.1
13.6	121.5	128.7	136.1	143.5	151.1	158.8	166.6	174.5	182.5	190.6	198.8	207.1	215.5	224.0	232.5	241.2	250.0	258.8
13.8	119.4	126.5	133.8	141.2	148.7	156.3	164.0	171.9	179.8	187.8	196.0	204.2	212.6	221.0	229.5	238.1	246.8	255.6
14.0	117.3	124.4	131.6	138.9	146.3	153.9	161.6	169.3	177.2	185.2	193.2	201.4	209.7	218.0	226.5	235.0	243.7	252.4
14.2	115.3	122.3	129.4	136.7	144.0	151.5	159.1	166.8	174.6	182.5	190.5	198.6	206.9	215.1	223.5	232.0	240.6	249.2
14.4	113.3	120.2	127.3	134.5	141.8	149.2	156.7	164.3	172.1	179.9	187.9	195.9	204.1	212.3	220.6	229.0	237.5	246.1
14.6	111.3	118.2	125.2	132.3	139.5	146.9	154.3	161.9	169.6	177.4	185.3	193.2	201.3	209.5	217.8	226.1	234.5	243.1
14.8	109.3	116.2	123.1	130.1	137.3	144.6	152.0	159.5	167.1	174.9	182.7	190.6	198.6	206.7	214.9	223.2	231.6	240.1
15.0	107.4	114.2	121.0	128.0	135.2	142.4	149.7	157.2	164.7	172.4	180.1	188.0	196.0	204.0	212.1	220.4	228.7	237.1
15.2	105.5	112.2	119.0	126.0	133.0	140.2	147.5	154.8	162.3	169.9	177.6	185.4	193.3	201.3	209.4	217.6	225.8	234.2
15.4	103.7	110.3	117.1	123.9	130.9	138.0	145.2	152.6	160.3	167.9	175.6	183.4	191.3	199.4	207.7	215.8	223.9	232.3
15.6	101.9	108.4	115.1	121.9	128.8	135.9	143.0	150.3	157.7	165.2	172.7	180.4	188.2	196.1	204.0	212.1	220.2	228.4
15.8	100.1	106.6	113.2	119.9	126.8	133.8	140.9	148.1	155.4	162.8	170.3	178.0	185.7	193.5	201.4	209.4	217.5	225.6

TABLE III. - Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
16.0	98.3	104.7	111.3	118.0	124.8	131.7	138.8	145.9	153.2	160.5	168.0	175.5	183.2	191.0	198.8	206.7	214.8	222.9
16.2	96.5	102.9	109.4	116.1	122.8	129.7	136.7	143.8	150.9	158.3	165.7	173.2	180.8	188.5	196.2	204.1	212.1	220.1
16.4	94.8	101.1	107.6	114.2	120.9	127.7	134.6	141.6	148.8	156.0	163.4	170.8	178.4	186.0	193.7	201.5	209.5	217.5
16.6	93.1	99.4	105.8	112.3	118.9	125.7	132.6	139.5	146.5	153.8	161.1	168.5	176.0	183.6	191.2	199.0	206.9	214.8
16.8	91.5	97.7	104.0	110.5	117.0	123.7	130.5	137.5	144.5	151.6	158.9	166.2	173.6	181.2	188.8	196.5	204.3	212.2
17.0	89.8	96.0	102.3	108.7	115.2	121.8	128.6	135.4	142.4	149.5	156.7	163.9	171.3	178.8	186.4	194.0	201.8	209.6
17.2	88.2	94.3	100.5	106.9	113.3	119.9	126.6	133.4	140.3	147.4	154.5	161.7	169.0	176.5	184.0	191.6	199.3	207.0
17.4	86.6	92.7	98.8	105.1	111.5	118.0	124.7	131.4	138.3	145.3	152.3	159.5	166.8	174.2	181.6	189.2	196.8	204.5
17.6	85.1	91.0	97.1	103.4	109.7	116.2	122.8	129.5	136.3	143.2	150.2	157.3	164.6	171.9	179.3	186.8	194.4	202.0
17.8	83.5	89.4	95.5	101.7	108.0	114.4	120.9	127.6	134.3	141.2	148.1	155.2	162.4	169.6	177.0	184.4	192.0	199.6
18.0	82.0	87.8	93.8	100.0	106.2	112.6	119.1	125.7	132.4	139.2	146.1	153.1	160.2	167.4	174.7	182.1	189.6	197.2
18.2	80.5	86.3	92.2	98.3	104.5	110.8	117.2	123.8	130.4	137.2	144.0	151.0	158.1	165.2	172.5	179.8	187.3	194.8
18.4	79.0	84.8	90.6	96.7	102.8	109.1	115.4	121.9	128.5	135.2	142.0	148.9	156.0	163.1	170.3	177.6	184.9	192.4
18.6	77.5	83.2	89.1	95.0	101.1	107.3	113.7	120.1	126.6	133.4	140.1	146.9	153.9	160.9	168.1	175.3	182.7	190.1
18.8	76.1	81.8	87.5	93.4	99.5	105.6	111.9	118.3	124.8	131.4	138.1	144.9	151.8	158.8	165.9	173.1	180.4	187.8
19.0	74.7	80.3	86.0	91.9	97.9	104.0	110.2	116.5	123.0	129.5	136.2	142.9	149.8	156.7	163.8	170.9	178.2	185.5
19.2	73.3	78.8	84.5	90.3	96.3	102.3	108.5	114.8	121.2	127.7	134.3	141.0	147.8	154.7	161.7	168.8	176.0	183.2
19.4	71.9	77.4	83.0	88.8	94.7	100.7	106.8	113.0	119.4	125.8	132.4	139.0	145.8	152.7	159.6	166.7	173.8	181.0
19.6	70.6	76.0	81.6	87.3	93.1	99.1	105.1	111.3	117.6	124.0	130.5	137.1	143.8	150.6	157.6	164.5	171.6	178.8
19.8	69.2	74.6	80.1	85.8	91.6	97.5	103.5	109.6	115.9	122.2	128.7	135.2	141.9	148.7	155.5	162.5	169.5	176.6
20.0	67.9	73.2	78.7	84.3	90.0	95.9	101.9	107.9	114.1	120.5	126.9	133.4	140.0	146.7	153.5	160.4	167.4	174.5
20.2	66.5	71.9	77.3	82.9	88.5	94.3	100.3	106.3	112.4	118.7	125.1	131.5	138.1	144.8	151.5	158.4	165.3	172.4
20.4	65.3	70.6	75.9	81.4	87.1	92.8	98.7	104.7	110.8	117.0	123.3	129.7	136.2	142.9	149.6	156.4	163.3	170.3
20.6	64.1	69.2	74.6	80.0	85.6	91.3	97.1	103.1	109.1	115.3	121.5	127.9	134.4	141.0	147.6	154.4	161.3	168.2
20.8	62.8	67.9	73.2	78.6	84.2	89.8	95.6	101.5	107.5	113.6	119.8	126.1	132.6	139.1	145.7	152.4	159.2	166.1
21.0	61.5	66.7	71.9	77.2	82.7	88.3	94.1	99.9	105.9	111.9	118.1	124.4	130.8	137.3	143.8	150.5	157.3	164.1
21.2	60.4	65.4	70.6	75.9	81.3	86.9	92.6	98.4	104.3	110.3	116.4	122.7	129.0	135.4	142.0	148.6	155.3	162.1
21.4	59.2	64.2	69.3	74.5	79.9	85.4	91.1	96.8	102.7	108.7	114.8	120.9	127.2	133.6	140.1	146.7	153.4	160.1
21.6	58.0	62.9	68.0	73.2	78.6	84.0	89.6	95.3	101.1	107.1	113.1	119.3	125.5	131.8	138.3	144.8	151.4	158.2
21.8	56.8	61.7	66.8	71.9	77.2	82.6	88.2	93.8	99.6	105.5	111.5	117.6	123.8	130.1	136.5	143.0	149.6	156.2
22.0	55.7	60.5	65.5	70.6	75.9	81.2	86.7	92.4	98.1	103.9	109.9	115.9	122.1	128.3	134.7	141.1	147.7	154.3
22.2	54.5	59.4	64.3	69.4	74.6	79.9	85.3	90.9	96.6	102.4	108.3	114.3	120.4	126.6	132.9	139.3	145.8	152.4
22.4	53.5	58.2	63.1	68.1	73.3	78.5	83.9	89.5	95.1	100.8	106.7	112.7	118.7	124.9	131.2	137.5	144.0	150.5
22.6	52.4	57.1	61.9	66.9	72.0	77.2	82.6	88.0	93.6	99.3	105.2	111.1	117.1	123.2	129.4	135.8	142.2	148.7
22.8	51.3	55.9	60.7	65.6	70.7	75.9	81.2	86.6	92.2	97.8	103.6	109.5	115.5	121.6	127.7	134.0	140.4	146.8
23.0	50.2	54.8	59.6	64.4	69.4	74.6	79.9	85.2	90.7	96.4	102.1	107.9	113.9	119.9	126.0	132.3	138.6	145.0
23.2	49.2	53.7	58.4	63.2	68.2	73.3	78.5	83.9	89.3	94.9	100.6	106.4	112.3	118.3	124.4	130.6	136.9	143.2
23.4	48.1	52.6	57.3	62.1	67.0	72.0	77.2	82.5	87.9	93.5	99.1	104.9	110.7	116.7	122.7	128.9	135.1	141.5
23.6	47.1	51.6	56.2	60.9	65.8	70.8	75.9	81.2	86.6	92.0	97.6	103.3	109.2	115.1	121.1	127.2	133.4	139.7
23.8	46.1	50.5	55.1	59.8	64.6	69.6	74.6	79.9	85.2	90.6	96.2	101.9	107.6	113.5	119.5	125.5	131.7	137.9

TABLE III. - Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

	BESSEL FUNCTION ORDER																	
	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
24.0	45.1	49.5	54.0	58.6	63.4	68.3	73.4	78.6	83.8	89.2	94.8	100.4	106.1	111.9	117.9	123.9	130.0	136.2
24.2	44.1	48.4	52.9	57.5	62.3	67.1	72.1	77.3	82.5	87.9	93.3	98.9	104.6	110.4	116.3	122.3	128.3	134.5
24.4	43.2	47.4	51.9	56.4	61.1	65.9	70.9	76.0	81.2	86.5	91.9	97.5	103.1	108.7	114.7	120.7	126.7	132.8
24.6	42.2	46.4	50.8	55.3	60.0	64.8	69.7	74.7	79.9	85.2	90.5	96.0	101.6	107.4	113.2	119.1	125.1	131.2
24.8	41.3	45.5	49.8	54.3	58.9	63.6	68.5	73.5	78.6	83.8	89.2	94.6	100.2	105.9	111.6	117.5	123.5	129.5
25.0	40.4	44.5	48.8	53.2	57.8	62.5	67.3	72.2	77.3	82.5	87.8	93.2	98.8	104.4	110.1	115.9	121.9	127.9
25.2	39.5	43.5	47.8	52.2	56.7	61.3	66.1	71.0	76.1	81.2	86.5	91.9	97.3	102.9	108.6	114.4	120.3	126.2
25.4	38.6	42.6	46.8	51.1	55.6	60.2	65.0	69.8	74.8	79.9	85.1	90.5	95.9	101.5	107.1	112.9	118.7	124.6
25.6	37.7	41.7	45.8	50.1	54.5	59.1	63.8	68.6	73.6	78.7	83.8	89.1	94.5	100.0	105.6	111.4	117.2	123.1
25.8	36.8	40.8	44.9	49.1	53.5	58.0	62.7	67.5	72.4	77.4	82.5	87.8	93.2	98.6	104.2	109.9	115.6	121.5
26.0	35.9	39.9	43.9	48.1	52.5	56.9	61.6	66.3	71.2	76.2	81.3	86.5	91.8	97.2	102.8	108.4	114.1	119.9
26.2	35.0	39.0	43.0	47.1	51.4	55.9	60.5	65.2	70.0	74.9	80.0	85.2	90.4	95.8	101.3	106.9	112.6	118.4
26.4	34.1	38.1	42.1	46.2	50.4	54.8	59.4	64.0	68.8	73.7	78.7	83.9	89.1	94.5	99.9	105.5	111.1	116.9
26.6	33.2	37.2	41.1	45.2	49.4	53.8	58.3	62.9	67.6	72.5	77.5	82.6	87.8	93.1	98.5	104.0	109.6	115.4
26.8	32.3	36.3	40.3	44.3	48.5	52.8	57.2	61.8	66.5	71.3	76.3	81.3	86.5	91.8	97.1	102.6	108.2	113.9
27.0	31.4	35.4	39.4	43.4	47.5	51.8	56.2	60.7	65.4	70.2	75.1	80.1	85.2	90.4	95.8	101.2	106.7	112.4
27.2	30.5	34.5	38.5	42.4	46.5	50.8	55.1	59.6	64.2	69.0	73.9	78.8	83.9	89.1	94.4	99.8	105.3	110.9
27.4	29.6	33.6	37.6	41.5	45.6	49.8	54.1	58.6	63.1	67.8	72.7	77.6	82.7	87.8	93.1	98.4	103.9	109.5
27.6	28.7	32.7	36.7	40.7	44.7	48.8	53.1	57.5	62.0	66.7	71.5	76.4	81.4	86.5	91.8	97.1	102.5	108.0
27.8	27.8	31.8	35.8	39.8	43.7	47.8	52.1	56.5	61.0	65.6	70.3	75.2	80.2	85.3	90.4	95.7	101.1	106.6
28.0	26.9	30.9	34.9	38.9	42.8	46.9	51.1	55.4	59.9	64.5	69.2	74.0	78.9	84.0	89.1	94.4	99.7	105.2
28.2	26.0	30.0	34.0	38.1	42.1	46.2	50.4	54.7	59.1	63.7	68.4	73.2	78.1	83.2	88.3	93.6	98.9	104.3
28.4	25.1	29.1	33.1	37.2	41.1	45.3	49.5	53.8	58.2	62.8	67.5	72.3	77.2	82.3	87.4	92.7	98.0	103.4
28.6	24.2	28.2	32.2	36.3	40.2	44.4	48.6	52.9	57.3	61.9	66.6	71.4	76.3	81.5	86.6	91.8	97.0	102.4
28.8	23.3	27.3	31.3	35.4	39.5	43.6	47.8	52.1	56.5	61.2	65.8	70.5	75.4	80.6	85.7	90.9	96.1	101.1
29.0	22.4	26.4	30.4	34.5	38.6	42.7	46.9	51.1	55.5	60.2	64.7	69.4	74.2	79.1	84.1	89.2	94.4	99.7
29.2	21.5	25.5	29.5	33.6	37.7	41.8	46.0	50.3	54.7	59.1	63.6	68.3	73.0	77.9	82.8	87.9	93.1	98.4
29.4	20.6	24.6	28.6	32.7	36.8	40.8	45.0	49.3	53.7	58.1	62.6	67.2	71.9	76.7	81.6	86.7	91.8	97.0
29.6	19.7	23.7	27.7	31.8	35.9	39.9	44.1	48.4	52.8	57.1	61.5	66.1	70.7	75.5	80.4	85.4	90.5	95.7
29.8	18.8	22.8	26.8	30.9	35.0	39.0	43.1	47.4	51.8	56.1	60.5	65.0	69.6	74.4	79.2	84.2	89.2	94.4
30.0	17.9	21.9	25.9	30.0	34.1	38.1	42.2	46.5	50.9	55.1	59.4	63.9	68.5	73.2	78.0	83.0	88.0	93.1
30.2	17.0	21.0	25.0	29.1	33.2	37.2	41.3	45.6	50.0	54.1	58.4	62.8	67.4	72.1	76.9	81.8	86.7	91.8
30.4	16.1	20.1	24.1	28.2	32.3	36.3	40.4	44.7	49.0	53.1	57.4	61.8	66.3	71.0	75.7	80.6	85.5	90.6
30.6	15.2	19.2	23.2	27.3	31.4	35.4	39.5	43.8	48.1	52.1	56.4	60.7	65.2	69.9	74.6	79.4	84.3	89.3
30.8	14.3	18.3	22.3	26.4	30.5	34.5	38.6	42.9	47.2	51.2	55.4	59.7	64.2	68.9	73.6	78.2	83.1	88.1
31.0	13.4	17.4	21.4	25.5	29.6	33.6	37.7	41.9	46.2	50.1	54.4	58.6	63.1	67.6	72.3	76.9	81.9	86.9
31.2	12.5	16.5	20.5	24.6	28.7	32.7	36.8	40.9	45.2	49.1	53.4	57.5	61.9	66.6	71.2	75.9	80.7	85.6
31.4	11.6	15.6	19.6	23.7	27.8	31.8	35.9	39.7	44.0	47.8	51.9	56.0	60.4	65.0	69.7	74.4	79.2	84.1
31.6	10.7	14.7	18.7	22.8	26.9	30.9	35.0	38.9	42.9	46.7	50.8	54.8	59.1	63.6	68.2	72.8	77.5	82.2
31.8	9.8	13.8	17.8	21.9	26.0	29.9	34.0	37.9	41.8	45.6	49.5	53.5	57.5	61.8	66.4	70.9	75.6	80.3
32.0	8.9	12.9	16.9	21.0	25.1	29.0	33.0	36.9	40.8	44.6	48.4	52.3	56.3	60.5	64.9	69.4	74.0	78.7
32.2	8.0	12.0	16.0	20.1	24.2	28.1	32.1	36.0	39.9	43.7	47.5	51.4	55.3	59.4	63.8	68.2	72.7	77.2
32.4	7.1	11.1	15.1	19.2	23.3	27.2	31.2	35.1	39.0	42.9	46.7	50.6	54.5	58.5	62.8	67.1	71.5	76.0
32.6	6.2	10.2	14.2	18.3	22.4	26.3	30.3	34.2	38.1	42.0	45.8	49.7	53.6	57.5	61.7	66.0	70.3	74.7
32.8	5.3	9.3	13.3	17.4	21.5	25.4	29.4	33.3	37.2	41.1	44.9	48.8	52.7	56.6	60.7	64.9	69.1	73.4
33.0	4.4	8.4	12.4	16.5	20.6	24.5	28.5	32.4	36.3	40.2	44.0	47.9	51.8	55.7	59.7	63.8	67.9	72.0
33.2	3.5	7.5	11.5	15.6	19.7	23.6	27.6	31.5	35.4	39.3	43.1	47.0	50.9	54.8	58.7	62.7	66.7	70.7
33.4	2.6	6.6	10.6	14.7	18.8	22.7	26.7	30.6	34.5	38.4	42.2	46.1	50.0	53.9	57.8	61.7	65.6	69.5
33.6	1.7	5.7	9.7	13.8	17.9	21.9	25.9	29.8	33.7	37.6	41.5	45.4	49.3	53.2	57.1	61.0	64.9	68.8
33.8	0.8	4.8	8.8	12.9	17.0	21.0	25.0	28.9	32.8	36.7	40.6	44.5	48.4	52.3	56.2	60.1	64.0	67.9
34.0	-0.1	3.9	7.9	12.0	16.1	20.1	24.1	28.0	32.0	35.9	39.8	43.7	47.6	51.5	55.4	59.3	63.2	67.1
34.2	-1.0	3.0	7.0	11.1	15.2	19.2	23.2	27.1	31.1	35.0	38.9	42.8	46.7	50.6	54.5	58.4	62.3	66.2
34.4	-1.9	2.1	6.1	10.2	14.3	18.3	22.3	26.2	30.2	34.1	38.0	41.9	45.8	49.7	53.6	57.5	61.4	65.3
34.6	-2.8	1.2	5.2	9.3	13.4	17.4	21.4	25.3	29.3	33.2	37.1	41.0	44.9	48.8	52.7	56.6	60.5	64.4
34.8	-3.7	0.3	4.3	8.4	12.5	16.5	20.5	24.4	28.4	32.3	36.2	40.1	44.0	47.9	51.8	55.7	59.6	63.5
35.0	-4.6	-0.6	3.4	7.5	11.6	15.6	19.6	23.5	27.5	31.4	35.3	39.2	43.1	47.0	50.9	54.8	58.7	62.6
35.2	-5.5	-1.5	2.5	6.6	10.7	14.7	18.7	22.6	26.6	30.5	34.4	38.3	42.2	46.1	50.0	53.9	57.8	61.7
35.4	-6.4	-2.4	1.6	5.7	9.8	13.8	17.8	21.7	25.7	29.6	33.5	37.4	41.3	45.2	49.1	53.0	56.9	60.8
35.6	-7.3	-3.3	0.7	4.8	8.9	12.9	16.9	20.8	24.8	28.7	32.6	36.5	40.4	44.3	48.2	52.1	56.0	59.9
35.8	-8.2	-4.2	-0.2	3.9	8.0	12.0	16.0	20.0	24.0	27.9	31.8	35.7	39.6	43.5	47.4	51.3	55.2	59.1
36.0	-9.1	-5.1	-1.1	3.0	7.1	11.1	15.1	19.1	23.1	27.0	30.9	34.8	38.7	42.6	46.5	50.4	54.3	58.2
36.2	-10.0	-6.0	-2.0	2.1	6.2	10.2	14.2	18.2	22.2	26.1	30.0	33.9	37.8	41.7	45.6	49.5	53.4	57.3
36.4	-10.9	-6.9	-2.9	1.2	5.3	9.3	13.3	17.3	21.3	25.2	29.1	33.0	36.9	40.8	44.7	48.6	52.5	56.4
36.6	-11.8	-7.8	-3.8	0.3	4.4	8.4	12.4	16.4	20.4	24.3	28.2	32.1	36.0	39.9	43.8	47.7	51.6	55.5
36.8	-12.7	-8.7	-4.7	-0.6	3.5	7.5	11.5	15.5	19.5	23.4	27.3	31.2	35.1	39.0	42.9	46.8	50.7	54.6
37.0	-13.6	-9.6	-5.6	-1.5	2.6	6.6	10.6	14.6	18.6	22.5	26.4	30.3	34.2	38.1	42.0	45.9	49.8	53.7
37.2	-14.5	-10.5	-6.5	-2.4	1.7	5.7	9.7	13.7	17.7	21.6	25.5	29.4	33.3	37.2	41.1	45.0	48.9	52.8
37.4	-15.4	-11.4	-7.4	-3.3	0.8	4.8	8.8	12.8	16.8	20.7	24.4	28.4	32.3	36.2	40.1	44.0	48.0	51.9
37.6	-16.3	-12.3	-8.3	-4.2	-0.7	3.9	7.9	11.9	15.9	19.8								

TABLE III. - Continued

BESSEL FUNCTIONS OF ORDER 36 TO 53

BESSEL FUNCTION ORDER

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
32.0	16.0	18.5	21.2	24.1	27.1	30.4	33.8	37.3	41.0	44.8	48.8	52.8	57.0	61.4	65.8	70.3	75.0	79.7
32.5	14.8	17.2	19.8	22.5	25.5	28.6	31.9	35.4	38.9	42.7	46.5	50.5	54.6	58.8	63.2	67.6	72.0	76.9
33.0	13.7	16.0	18.4	21.1	23.9	26.9	30.1	33.5	37.0	40.6	44.3	48.2	52.3	56.4	60.7	65.0	69.5	74.1
33.5	12.7	14.8	17.1	19.7	22.4	25.3	28.4	31.6	35.0	38.6	42.2	46.0	50.0	54.0	58.2	62.5	66.9	71.4
34.0	11.7	13.7	15.9	18.3	21.0	23.8	26.7	29.9	33.2	36.6	40.2	43.9	47.7	51.7	55.8	60.0	64.3	68.7
34.5	10.8	12.7	14.8	17.1	19.6	22.3	25.1	28.2	31.4	34.7	38.2	41.8	45.6	49.5	53.5	57.6	61.8	66.1
35.0	10.0	11.7	13.7	15.9	18.2	20.8	23.6	26.5	29.5	32.9	36.3	39.8	43.5	47.3	51.2	55.2	59.4	63.6
35.5	9.3	10.9	12.7	14.7	17.0	19.5	22.1	25.0	28.0	31.1	34.4	37.9	41.4	45.1	49.0	52.9	57.0	61.2
36.0	8.7	10.1	11.7	13.7	15.8	18.2	20.7	23.5	26.4	29.4	32.6	36.0	39.5	43.1	46.8	50.7	54.7	58.7
36.5	8.1	9.4	10.9	12.7	14.7	16.9	19.4	22.0	24.8	27.8	30.9	34.1	37.5	41.1	44.7	48.5	52.4	56.4
37.0	7.7	8.7	10.1	11.7	13.6	15.7	18.1	20.6	23.3	26.2	29.2	32.4	35.7	39.2	42.7	46.4	50.2	54.1
37.5	7.3	7.7	9.4	10.9	12.7	14.7	16.9	19.3	21.9	24.7	27.6	30.7	33.9	37.2	40.7	44.3	48.1	51.9
38.0	7.1	7.7	8.8	10.1	11.7	13.6	15.7	18.0	20.5	23.2	26.0	29.0	32.1	35.4	38.8	42.3	46.0	49.7
38.5	7.0	7.4	8.2	9.4	10.9	12.7	14.6	16.8	19.2	21.8	24.5	27.4	30.4	33.6	36.9	40.4	43.9	47.6
39.0	7.0	7.1	7.8	8.8	10.1	11.8	13.6	15.7	18.0	20.4	23.1	25.9	28.8	31.9	35.1	38.5	42.0	45.6
39.5	7.2	7.0	7.4	8.3	9.4	10.9	12.7	14.6	16.8	19.1	21.7	24.4	27.2	30.2	33.4	36.6	40.0	43.6
40.0	7.5	7.2	7.2	7.8	8.8	10.2	11.8	13.6	15.7	17.9	20.3	22.9	25.7	28.6	31.7	34.9	38.2	41.7
40.5	8.2	7.2	7.1	7.5	8.3	9.5	10.9	12.7	14.6	16.7	19.1	21.6	24.2	27.1	30.0	33.1	36.4	39.7
41.0	9.2	7.6	7.1	7.2	7.9	8.9	10.2	11.8	13.6	15.6	17.8	20.2	22.8	25.5	28.4	31.4	34.6	37.9
41.5	10.9	8.2	7.2	7.1	7.5	8.3	9.5	11.0	12.6	14.6	16.7	19.0	21.5	24.1	26.9	29.8	32.9	36.1
42.0	14.1	9.1	7.6	7.2	7.3	7.9	8.9	10.2	11.8	13.6	15.6	17.8	20.2	22.7	25.4	28.3	31.2	34.4
42.5	22.7	10.7	8.1	7.2	7.1	7.6	8.4	9.5	11.0	12.6	14.5	16.6	18.9	21.4	24.0	26.7	29.6	32.7
43.0	13.1	13.6	9.1	7.6	7.1	7.3	7.9	8.9	10.2	11.8	13.6	15.6	17.7	20.1	22.6	25.3	28.1	31.0
43.5	13.5	22.4	10.6	8.1	7.3	7.2	7.6	8.4	9.6	11.0	12.6	14.5	16.6	18.9	21.3	23.9	26.6	29.4
44.0	23.2	13.6	13.3	9.0	7.6	7.3	7.2	7.6	8.5	9.6	11.0	12.6	14.5	16.6	18.8	21.2	23.7	26.4
44.5	28.5	13.8	24.0	10.4	8.1	7.3	7.2	7.4	8.0	9.6	11.0	12.6	14.5	16.6	18.7	21.0	23.4	25.9
45.0	28.2	13.8	14.1	9.3	9.0	8.1	7.3	7.2	7.7	8.5	9.6	11.0	12.6	14.5	16.5	18.7	21.1	23.6
45.5	28.3	13.8	11.1	20.8	10.3	8.9	7.6	7.2	7.4	8.1	9.0	10.3	11.8	13.5	15.5	17.6	19.9	22.3
46.0	28.8	13.8	11.1	14.7	19.0	10.2	8.1	7.3	7.3	7.7	8.5	9.6	11.0	12.6	14.5	16.5	18.7	21.0
46.5	29.0	13.8	11.1	11.3	15.3	12.4	8.9	7.6	7.2	7.5	8.1	9.1	10.3	11.8	13.5	15.4	17.5	19.8
47.0	29.2	13.8	11.1	9.7	15.3	12.4	8.9	7.6	7.2	7.5	8.1	9.1	10.3	11.8	13.5	15.4	17.5	19.8
47.5	29.2	13.8	11.1	8.8	11.6	17.8	10.1	8.1	7.3	7.3	7.8	8.6	9.7	11.0	12.6	14.5	16.4	18.6
48.0	29.2	13.8	11.1	8.3	9.9	16.0	12.2	8.9	7.6	7.3	7.5	8.1	9.1	10.3	11.8	13.5	15.4	17.5
48.5	29.2	13.8	11.1	7.8	8.9	11.9	16.9	10.0	8.1	7.4	7.3	7.8	8.6	9.7	11.1	12.6	14.4	16.4
49.0	29.2	13.8	11.1	7.3	8.4	10.1	16.9	12.0	8.8	7.6	7.3	7.5	8.2	9.1	10.4	11.8	13.5	15.4
49.5	29.2	13.8	11.1	6.8	8.3	9.0	12.3	16.2	10.0	8.1	7.4	7.4	7.8	8.6	9.7	11.1	12.6	14.4
50.0	29.2	13.8	11.1	6.3	8.6	8.5	10.3	17.9	11.8	8.8	7.6	7.3	7.6	8.2	9.2	10.7	11.8	13.5
50.5	29.2	13.8	11.1	5.8	8.6	8.5	10.3	17.9	11.8	8.8	7.6	7.3	7.6	8.2	9.2	10.7	11.8	13.5
51.0	29.2	13.8	11.1	5.3	9.3	8.6	10.5	19.1	11.6	9.9	8.1	7.4	7.4	7.9	8.7	9.2	10.4	11.8
51.5	29.2	13.8	11.1	4.8	9.2	8.9	10.5	19.3	11.6	11.6	8.8	7.4	7.4	7.6	8.2	9.2	10.4	11.8
52.0	29.2	13.8	11.1	4.3	9.2	8.9	10.5	19.3	11.6	11.6	8.8	7.4	7.4	7.6	8.2	9.2	10.4	11.8
52.5	29.2	13.8	11.1	3.8	9.2	8.9	10.5	19.3	11.6	11.6	8.8	7.4	7.4	7.6	8.2	9.2	10.4	11.8
53.0	29.2	13.8	11.1	3.3	9.2	8.9	10.5	19.3	11.6	11.6	8.8	7.4	7.4	7.6	8.2	9.2	10.4	11.8

TABLE III. -- Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
52.0	17.3	9.7	8.8	10.6	-28.4	-10.5	-8.5	-8.7	-10.7	-20.7	11.5	8.7	7.7	7.4	7.6	8.3	9.2	10.4
52.5	-15.5	11.4	8.9	9.4	13.8	-12.9	-9.1	-8.4	-9.4	-13.3	14.7	9.7	8.1	7.5	7.5	7.9	8.7	9.8
53.0	-11.5	15.3	9.5	8.8	10.9	-20.6	-10.3	-8.5	-8.7	-10.9	-23.1	11.4	8.7	7.7	7.5	7.7	8.3	9.2
53.5	-9.9	-17.7	11.0	8.8	9.6	14.6	-12.4	-9.0	-8.4	-9.6	-13.7	14.3	9.7	8.1	7.5	7.5	8.0	8.8
54.0	-9.1	-12.2	14.1	9.4	8.9	11.3	-18.0	-10.1	-8.5	-8.8	-11.1	-28.9	11.2	8.7	7.7	7.5	7.7	8.3
54.5	-9.1	-10.2	22.1	10.6	8.8	9.8	-15.7	-12.0	-9.0	-8.5	-9.7	-14.1	14.0	9.6	8.1	7.5	7.5	8.0
55.0	-9.7	-9.3	-13.0	13.2	9.2	9.0	-11.8	-16.5	-9.9	-8.5	-11.3	-11.3	26.7	11.1	7.7	7.7	7.5	7.7
55.5	-11.4	-9.1	-10.6	23.8	10.3	8.8	10.0	17.0	-11.6	-8.9	-8.5	-9.9	-14.5	13.7	9.6	8.1	7.5	7.6
56.0	-14.4	-9.5	-9.5	-14.0	12.4	9.2	9.2	12.2	-15.4	-9.8	-8.5	-9.0	-11.6	22.6	11.0	8.6	7.7	7.5
56.5	20.2	-10.6	-9.1	-11.0	18.5	10.0	8.9	10.3	18.9	-11.3	-8.9	-8.6	-10.0	-15.0	13.5	9.5	8.1	7.6
57.0	12.7	-13.2	-9.3	-9.7	-15.2	11.9	9.1	9.3	12.7	-14.6	-9.6	-8.5	-9.1	-11.8	20.6	10.9	8.6	7.7
57.5	10.5	-24.7	-10.3	-9.2	-11.5	16.3	9.8	8.9	10.6	-22.1	-11.1	-8.8	-8.7	-10.2	-15.5	13.2	9.5	8.1
58.0	9.5	13.8	-12.3	-9.2	-10.0	-16.9	11.4	9.0	9.5	13.3	-13.9	-9.5	-8.6	-9.2	-12.0	19.3	10.8	8.6
58.5	9.3	11.0	-18.0	-10.0	-9.3	-12.1	14.9	9.7	9.0	10.9	-34.9	-10.8	-8.6	-9.2	-12.0	-16.1	13.0	9.4
59.0	9.8	9.7	15.3	-11.6	-9.2	-10.3	-19.7	11.0	9.0	9.6	14.0	-13.3	-9.4	-8.6	-9.3	-12.3	18.3	10.7
59.5	11.2	9.3	11.6	-15.6	-9.7	-9.4	-12.8	13.9	9.5	9.1	11.2	-21.8	-10.6	-8.8	-8.8	-10.5	-16.7	12.8
60.0	14.5	9.6	10.0	17.7	-11.1	-9.2	-10.6	-28.8	10.7	9.0	9.8	14.8	-12.9	-9.4	-8.6	-9.4	-12.5	17.6
60.5	-19.8	10.7	9.4	12.3	-14.1	-9.6	-9.6	-13.6	13.1	9.4	9.2	11.5	-19.0	-10.5	-8.8	-8.9	-10.6	-17.4
61.0	-12.7	13.2	9.5	10.4	23.1	-10.7	-9.2	-11.0	-21.1	10.4	9.0	10.0	15.7	-12.5	-9.3	-8.6	-9.5	-12.8
61.5	-10.5	-23.7	10.3	9.5	13.2	-13.1	-9.5	-9.8	-14.7	12.5	9.3	9.3	11.9	-17.3	-10.3	-8.7	-8.9	-10.8
62.0	-9.7	-14.0	12.2	9.4	10.8	-21.7	-10.4	-9.3	-11.4	17.9	10.2	9.0	10.2	16.8	-12.1	-9.2	-8.7	-9.7
62.5	-9.6	-11.1	17.4	10.0	9.7	14.4	-12.3	-9.4	-10.0	-16.0	12.0	9.2	9.4	12.3	-16.2	-10.1	-9.2	-9.0
63.0	-10.2	-9.9	-15.8	11.5	9.4	-11.3	-17.5	-10.1	-9.4	-12.0	16.1	10.0	9.1	10.5	18.2	-11.8	-9.2	-8.7
63.5	-12.0	-9.5	-11.8	15.0	9.8	10.0	16.0	-11.7	-9.3	-10.3	-17.8	11.5	9.2	9.5	12.8	-15.3	-10.0	-8.7
64.0	-16.7	-9.9	-10.2	-13.0	10.9	9.5	11.9	-15.4	-9.9	-9.5	-12.5	14.9	9.8	9.1	10.7	-20.4	-11.6	-9.1
64.5	15.3	-11.3	-9.6	-13.7	13.6	-10.5	9.6	12.6	-14.1	-9.3	-10.6	-20.8	11.2	9.2	9.7	13.3	-14.6	-9.9
65.0	11.9	-14.4	-9.3	-10.6	29.7	10.5	9.6	10.6	25.0	-9.7	-9.6	-13.2	14.0	9.7	9.2	11.0	24.5	-11.3
65.5	10.3	21.1	-10.7	-9.7	-13.8	12.6	9.5	10.6	-14.1	-13.2	-9.6	-10.9	47.4	10.9	9.1	9.8	13.9	-14.0
66.0	9.7	10.8	-21.1	-10.3	-9.9	-15.4	10.2	9.7	13.5	-13.2	-9.6	-9.8	-14.0	15.0	9.6	9.2	10.0	-27.1
66.5	9.9	9.9	14.5	-16.5	-9.6	-11.7	15.7	10.0	11.0	-21.3	-10.5	-9.4	11.3	21.0	10.6	9.1	9.5	14.5
67.0	11.1	9.9	11.4	-12.0	-10.0	-10.2	11.8	9.5	9.9	14.7	-12.5	-9.5	-10.0	-15.0	12.7	9.5	10.0	11.6
67.5	13.8	9.8	10.4	-16.5	-10.5	-10.2	-17.9	11.3	9.5	11.5	-17.6	-10.3	-9.4	-11.7	18.0	10.4	9.2	10.2
68.0	-27.9	12.5	10.1	16.8	-11.3	-9.7	-12.5	14.2	9.8	10.1	16.2	-11.9	-9.5	-10.2	-16.2	12.2	9.4	9.2
68.5	-13.5	18.1	9.8	12.2	-14.4	-9.9	-10.6	-24.6	10.8	9.6	12.1	-15.7	-10.0	-9.5	-12.2	16.4	10.2	9.4
69.0	-11.0	-15.1	10.2	10.5	22.1	-10.8	-9.8	-13.5	13.1	9.7	10.4	18.6	-11.4	-8.4	-10.5	-17.9	9.4	9.4
69.5	-10.0	-18.1	10.2	9.8	13.2	-13.1	-9.8	-11.1	10.5	10.5	9.7	12.8	-14.4	-9.9	-9.7	-12.2	15.2	10.1
70.0	-9.9	-11.3	15.0	10.0	10.9	-20.8	-10.4	-10.0	-14.8	12.3	9.6	10.8	24.2	-11.0	-9.4	-10.8	-20.7	11.5
70.5	-10.7	-10.3	-19.3	11.0	10.0	14.7	-12.1	-9.7	-11.6	16.9	10.7	9.8	13.7	-13.5	-9.8	-10.8	-13.4	14.3
71.0	-12.7	-9.9	-12.8	13.4	9.9	11.5	-10.2	-10.2	-10.2	-16.8	11.7	9.6	11.2	-22.3	-10.7	-9.5	-9.8	-29.2
71.5	-18.9	-10.3	-10.8	23.5	10.5	-10.2	-17.0	-11.5	-9.8	-12.3	15.0	10.0	10.0	14.7	-12.7	-9.7	-11.0	-14.1

TABLE III. - Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
72.0	15.2	-11.7	-10.0	-14.2	12.3	9.8	12.3	-14.5	-10.0	-10.6	20.4	11.2	9.6	11.6	18.2	-10.5	9.5	-11.4
72.5	11.7	-15.2	-10.1	-11.4	17.0	10.2	10.6	22.0	-11.0	-9.8	-13.1	13.8	9.9	10.3	16.1	-12.2	-9.6	-10.1
73.0	10.3	19.0	-13.0	-10.2	-16.5	11.5	9.9	13.3	-13.3	-9.9	11.0	26.4	10.8	9.7	12.2	-15.2	-10.3	-9.6
73.5	10.0	12.8	-13.3	-10.0	-12.2	14.6	10.0	11.0	21.4	-10.6	-10.0	-14.2	12.9	9.8	10.5	18.2	-11.7	-9.6
74.0	10.5	10.8	-23.0	-10.5	-10.5	-21.6	10.9	10.1	14.7	-12.3	-9.8	-11.4	18.7	10.5	9.8	18.2	-14.9	-10.1
74.5	12.2	10.1	14.3	-12.2	-10.0	-13.3	13.2	9.9	11.6	-17.0	-10.3	-10.2	-15.7	12.2	9.7	10.8	22.1	-11.3
75.0	15.6	10.2	11.4	-16.6	-10.2	-11.0	20.8	10.5	10.3	16.8	-11.7	-9.8	-12.0	16.2	10.3	9.9	13.6	-13.9
75.5	-15.8	11.3	10.3	16.9	-11.4	-10.1	-14.8	12.2	9.9	12.3	-14.9	-10.1	-10.5	-18.0	11.6	9.7	11.2	-25.6
76.0	-12.2	14.1	10.1	12.3	-14.2	-10.1	-11.7	16.4	10.3	10.6	21.0	-11.2	-9.9	-12.8	10.1	10.1	10.1	14.5
76.5	-15.6	-26.2	10.7	10.7	24.5	-10.8	-10.4	-17.3	11.5	10.0	13.3	-13.6	-10.0	-10.8	14.7	10.1	10.1	14.5
77.0	-10.1	-13.6	12.6	10.1	13.6	-12.8	-10.0	-12.5	14.4	10.1	11.1	-23.3	-10.8	-10.0	-13.6	13.6	10.0	10.3
77.5	-10.5	-11.2	18.0	10.4	11.2	-18.9	-10.5	-10.7	-24.0	11.0	10.1	14.6	-12.6	-10.5	-11.3	22.6	10.3	9.8
78.0	-12.0	-10.3	-15.9	11.6	10.2	15.5	-11.9	-10.1	-13.6	13.1	10.0	11.6	-17.7	-10.5	-10.2	-14.8	12.8	9.9
78.5	-15.9	-10.3	-12.0	14.8	10.2	-11.9	-15.5	-10.2	-11.2	19.9	10.6	10.4	16.4	-12.0	-9.9	-11.8	18.0	10.6
79.0	-17.9	-11.2	-10.6	-13.2	13.1	10.1	12.9	-13.7	-10.1	-11.9	16.2	10.3	10.7	-15.4	-10.3	-10.4	-16.4	12.2
79.5	12.6	-13.6	-10.2	-13.2	10.1	-10.5	19.0	11.2	10.8	-10.5	17.9	11.5	10.1	19.7	11.4	-9.9	-12.4	15.9
80.0	10.8	-25.1	-10.7	-11.1	20.3	10.6	11.0	-25.0	-10.8	-10.5	-17.9	14.4	10.2	11.1	29.8	-11.0	-10.7	-18.9
80.5	10.3	14.2	-12.3	-10.3	-15.0	12.1	10.2	14.3	-12.5	-10.1	-12.7	14.4	10.2	11.1	14.3	-11.0	-10.0	-13.1
81.0	10.6	11.5	-16.6	-10.4	-11.8	15.8	10.2	11.6	-17.4	-10.5	-10.9	-25.7	11.1	10.2	14.3	-13.0	-10.0	-11.1
81.5	12.0	10.4	17.1	-11.4	-10.5	-18.3	11.3	10.4	15.6	-11.7	-10.2	-13.8	13.2	10.1	11.6	-19.0	-10.7	-10.2
82.0	15.3	10.4	12.5	-14.1	-10.3	-12.8	13.8	10.2	12.4	-14.9	-10.3	-11.4	19.7	10.7	10.1	15.8	-12.3	-10.0
82.5	-13.2	11.2	10.8	31.0	-10.9	-10.9	26.6	10.8	10.8	21.6	-11.2	-10.4	-15.4	12.3	10.1	12.2	-16.3	-10.4
83.0	-12.7	13.5	10.3	13.9	-12.6	-10.3	-14.3	12.6	10.2	13.5	-13.4	-10.2	12.0	16.3	10.4	10.7	18.3	-11.7
83.5	-10.9	23.1	10.7	11.4	-17.6	-10.5	-11.6	17.3	10.5	11.2	-21.1	-10.8	-10.6	-18.0	11.7	10.1	12.9	-14.7
84.0	-13.4	-14.5	12.2	10.5	16.3	-11.7	-10.5	-16.7	11.7	10.4	15.0	-12.4	-10.2	-12.8	14.5	10.3	11.0	24.5
84.5	-10.8	-11.6	16.2	10.4	12.3	-14.6	-10.3	-12.4	14.7	10.3	11.9	-16.6	-10.5	-11.0	25.4	11.2	10.2	13.9
85.0	-12.2	-10.6	-17.9	13.8	10.8	22.6	-11.1	-10.8	-23.6	11.1	10.6	17.6	-11.7	-10.3	-13.9	20.1	10.8	10.4
85.5	-15.2	-10.5	-12.7	13.0	-10.3	-10.3	-19.2	-10.7	-11.3	13.2	10.3	12.7	-14.5	-10.3	-11.5	15.5	12.5	10.1
86.0	17.8	-11.3	-11.0	25.5	10.8	11.3	15.6	-12.0	-10.5	-15.4	12.2	10.3	13.9	-11.2	-10.4	-15.5	12.5	10.1
86.5	12.7	-13.7	-10.4	-14.4	12.4	10.5	15.6	-12.0	-10.5	-15.4	12.2	10.3	13.9	-13.2	-10.2	-12.1	16.6	10.6
87.0	11.0	-24.2	-10.8	-11.6	16.7	10.5	12.1	-15.4	-10.5	-12.0	16.0	10.5	11.5	-19.7	-10.8	-10.7	-17.9	11.8
87.5	10.9	11.7	-16.3	-10.5	-12.6	14.1	10.4	13.2	-13.6	-10.4	-13.0	14.0	10.4	12.1	16.2	-10.5	-11.1	-23.7
88.0	15.5	10.6	17.8	-11.4	-11.0	-37.3	11.0	11.2	-22.2	-10.9	-11.1	28.0	11.0	10.8	18.5	-11.7	-10.3	-13.9
88.5	17.1	10.6	12.8	-13.8	-10.5	-14.1	12.7	10.5	14.9	-12.4	-10.4	-14.4	12.8	10.3	13.0	-14.4	-10.4	-11.5
89.0	-16.8	-11.5	11.0	-24.8	-10.9	-11.6	17.5	10.6	-11.9	-16.5	-10.6	-11.7	17.9	10.7	11.1	31.3	-11.2	-10.5
89.5	20.0	-12.5	14.1	14.5	-12.4	-10.6	-16.7	11.8	10.7	17.8	-11.6	-10.6	-16.6	12.0	10.4	14.2	-13.2	-10.3
90.0	11.0	-11.0	-11.0	11.7	-16.5	-10.6	12.5	11.8	10.5	12.8	-14.3	-10.6	-12.5	11.7	10.4	11.7	-19.1	-10.8
90.5	-10.6	-14.2	12.5	10.7	-11.5	-10.5	-11.0	-24.1	11.1	11.1	32.8	-11.1	-12.5	-21.3	11.5	11.7	16.0	12.3
91.0	-11.2	-11.6	16.9	10.7	12.8	-14.0	-10.5	-13.8	13.0	10.5	14.2	-12.9	-10.4	-13.6	13.6	10.4	12.3	-16.0
91.5																		

TABLE III. — Continued

BESSEL FUNCTIONS OF ORDER 36 TO 53

BESSEL FUNCTION ORDER

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
92.0	-13.0	-10.7	-17.2	11.6	11.1	-27.2	-11.0	-11.5	18.7	10.8	11.7	-18.2	-10.8	-11.4	21.6	11.0	10.9	19.1
93.0	15.8	-11.9	-11.1	29.1	11.0	11.7	-16.9	-10.7	-12.3	15.3	10.6	12.5	-15.2	-10.6	-12.0	16.8	10.7	11.3
94.0	10.9	22.7	-11.2	-11.7	16.8	10.7	12.7	-14.3	-10.6	-13.5	13.5	10.5	13.6	-13.6	10.5	-12.9	14.7	10.5
95.0	11.5	11.5	-18.1	-14.6	-12.7	14.4	10.6	14.2	-12.8	-10.6	-15.3	12.4	10.6	15.3	12.5	-10.5	14.1	13.4
96.0	23.2	12.4	12.4	-14.0	-10.7	-14.4	12.6	10.8	16.9	-11.9	-10.9	-18.8	11.6	10.9	18.3	-11.8	10.7	15.8
97.0	-11.9	15.9	10.7	14.0	-12.8	-10.8	-17.4	11.7	11.1	25.0	-11.3	-11.3	25.3	11.1	11.3	38.0	-11.3	11.0
98.0	-10.9	-13.2	-15.4	12.2	11.4	28.6	-11.2	32.3	11.2	10.7	-18.5	-15.2	-10.7	-12.8	14.8	10.8	-18.5	10.9
100.0	13.8	-12.9	-11.0	-20.6	11.4	11.7	-17.5	-10.9	-12.8	14.5	10.7	13.7	-13.5	-10.7	14.1	13.3	10.6	13.7
101.0	10.9	16.8	-11.8	-11.5	19.3	11.0	12.7	-14.5	-10.8	-14.3	13.0	10.8	15.7	-12.4	10.8	-15.1	12.3	10.7
102.0	12.5	11.2	-31.8	-11.2	-12.4	15.1	10.8	14.3	-12.9	-10.9	-16.9	12.0	11.1	19.7	11.7	-11.7	-20.2	11.7
103.0	-13.2	11.6	11.9	-15.7	-10.9	-13.8	13.2	10.9	17.1	-11.9	-11.2	-25.1	11.4	11.5	22.8	-11.2	11.6	22.7
104.0	-11.4	21.4	11.1	13.0	-13.9	-10.9	-16.3	12.1	11.3	30.0	-11.3	-11.8	18.6	11.0	12.2	-16.8	-10.9	-12.2
105.0	-11.5	-12.2	15.9	10.9	15.0	-12.5	-11.2	-23.9	11.4	11.9	-17.7	-11.0	-12.6	15.2	10.8	13.1	14.5	10.8
106.0	-13.5	-11.1	-13.6	13.3	11.1	19.2	-11.6	-11.2	18.3	11.0	12.8	-14.7	-10.9	-13.9	13.5	10.8	14.6	10.8
107.0	12.4	-14.9	-11.0	-16.2	12.1	11.5	-20.9	-11.1	-12.7	14.9	10.9	14.3	-13.1	-10.9	-16.0	12.4	11.0	16.9
108.0	11.1	14.1	-12.9	-11.2	-24.9	11.4	12.3	-15.6	-11.0	-14.2	13.1	11.0	16.9	-12.1	-11.2	-20.3	11.7	11.3
109.0	14.6	11.1	17.3	-11.9	-11.8	17.6	11.1	13.7	-13.5	-11.0	-16.8	12.1	11.3	24.5	-11.5	-11.7	21.8	11.3
110.0	-14.3	12.8	11.4	-25.4	-11.3	-12.9	14.4	11.0	19.9	-12.3	-11.3	-25.5	11.5	11.9	-18.8	-11.0	-12.4	16.6
111.0	-11.1	-18.1	11.6	12.1	-16.2	-11.1	-14.7	12.8	11.3	21.7	-11.6	-11.9	18.3	11.1	12.7	-15.3	-11.0	-13.4
112.0	-12.7	-11.5	21.8	11.2	13.4	-13.7	-11.1	-18.2	11.9	11.8	-19.2	-11.2	-12.8	15.0	11.0	14.0	-13.6	-11.0
113.0	16.4	-11.7	-12.3	15.5	11.1	15.7	-12.4	-11.5	23.4	11.3	12.7	-15.3	-11.0	-14.3	13.3	11.1	16.1	-12.5
114.0	11.6	-20.8	-11.2	-13.8	13.3	11.3	21.6	-11.6	-12.3	16.3	11.1	14.1	13.4	-11.1	-16.7	12.3	11.3	20.7
115.0	11.8	12.5	-15.2	-11.2	-16.6	12.1	11.8	-18.8	11.2	-13.5	13.9	11.1	16.5	12.3	11.4	-23.6	11.7	11.8
116.0	21.0	11.3	14.0	-13.1	-11.4	-29.3	11.5	12.8	-14.9	-11.1	-15.6	12.6	11.4	-23.2	-11.7	-12.0	19.1	11.3
117.0	-12.5	15.2	11.2	17.2	-12.0	-12.1	17.1	11.2	14.4	-13.1	-11.3	-20.2	11.8	12.0	-18.9	-11.3	-12.3	15.5
118.0	-11.3	-14.1	-13.1	11.5	-26.1	-11.4	-13.2	14.2	11.2	17.4	-12.1	-11.8	20.5	11.3	12.8	-15.3	-11.1	11.2
119.0	-15.4	-11.3	-17.5	12.0	12.3	-16.3	-11.2	-15.2	12.7	11.6	-29.5	-11.5	-12.6	15.8	11.2	14.2	-13.5	-11.2
120.0	14.0	-13.2	-11.6	23.8	11.4	13.6	-13.8	-11.3	-13.8	11.8	12.2	-17.0	-11.2	-13.9	13.7	11.2	16.6	-12.5
121.0	11.3	17.6	-12.0	-12.4	15.9	11.3	15.0	-12.4	-11.8	20.3	11.4	13.4	-14.3	-11.2	-16.2	12.6	11.5	22.7
122.0	13.4	11.6	24.0	-11.5	-13.8	13.5	11.5	23.0	-11.7	-12.7	15.5	11.2	15.2	-12.9	-16.5	-21.7	11.8	12.0
123.0	-16.8	12.1	12.4	-15.9	-11.3	-16.5	12.3	12.0	-18.2	-11.3	-14.1	13.5	11.4	19.2	-12.0	-12.0	19.8	11.4
124.0	-11.6	26.6	11.5	13.9	-13.5	-11.5	-28.2	11.6	13.1	-14.7	-11.3	-16.8	12.4	11.8	22.2	-11.5	-12.8	15.7
125.0	-12.3	-12.3	16.1	11.4	16.7	-12.2	-12.2	-13.4	14.9	-13.0	-13.0	-11.6	-26.5	11.7	12.6	-16.3	-11.3	-14.1
126.0	29.3	-11.6	-13.8	13.6	11.6	-38.2	-11.6	-13.4	14.2	11.4	18.6	-12.1	-12.2	17.9	11.4	13.8	-14.1	11.3
127.0	12.2	-16.6	-11.4	-16.6	12.3	12.3	-16.8	-11.4	-15.5	12.7	11.8	-22.6	11.5	-13.2	14.8	11.3	15.9	-12.8
128.0	11.7	13.6	-13.5	-11.6	38.7	11.6	-16.8	-11.4	-17.5	-20.6	11.9	12.6	-16.2	-11.4	-15.0	11.0	11.2	20.5
129.0	17.6	11.4	16.3	-12.4	-12.4	16.7	11.4	15.9	-13.0	-11.5	19.5	11.5	13.9	-13.4	-11.4	-18.3	11.2	12.0
130.0	-13.3	14.1	11.6	28.4	-11.7	-13.6	13.9	11.6	22.7	-11.8	-12.9	15.3	11.4	16.3	-12.6	-11.8	25.1	11.7
131.0	-11.5	-15.7	12.6	12.3	-16.9	-11.5	-15.1	12.5	12.1	-18.3	-11.5	-14.5	13.4	11.6	22.6	-11.9	-12.5	16.9

TABLE III. — Continued
 BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
132.0	-14.6	-11.6	-23.5	11.8	13.6	-14.0	-11.6	-24.4	11.8	13.2	-14.7	-11.5	-17.7	12.3	12.2	-18.9	-11.5	-13.7
133.0	15.1	-12.8	-12.2	17.5	11.5	16.1	-12.5	-12.2	17.7	11.5	15.1	-13.1	-11.8	27.4	11.7	13.1	-15.2	-11.4
134.0	11.6	20.6	-11.9	-13.4	14.2	11.7	24.5	-11.8	-13.4	14.5	11.6	19.1	-21.4	-12.5	15.9	11.5	14.7	-13.5
135.0	13.2	12.1	-18.5	-11.6	-15.8	12.6	12.3	-17.6	-11.5	-15.5	12.9	12.0	-21.4	-11.6	-13.7	14.3	11.5	17.6
136.0	-18.5	12.1	13.2	-14.5	-11.7	-23.1	11.9	13.5	-14.4	-11.6	-20.5	12.0	12.8	-11.6	-11.5	-15.8	12.9	11.8
137.0	-11.9	20.4	11.6	15.4	-12.8	-12.2	17.8	11.6	15.6	-12.8	-12.1	19.6	11.6	14.3	-13.7	-11.7	-20.6	12.1
138.0	-12.3	-12.9	15.1	11.7	21.2	-18.4	-13.4	14.4	11.7	21.4	-18.0	-13.1	-15.3	11.5	13.7	-12.6	-12.1	20.3
139.0	25.6	-11.7	-14.8	13.1	12.2	-18.4	-11.6	-15.6	12.8	12.2	-18.0	-11.6	15.7	-13.4	11.8	27.7	-11.9	-13.0
140.0	12.6	15.9	-11.7	-19.4	12.1	13.3	-14.6	-11.7	-21.5	12.0	13.2	-15.0	-11.6	-18.1	12.4	12.4	-17.8	-11.6
141.0	11.0	14.2	-13.5	-12.1	19.7	11.7	15.4	-12.9	-12.2	18.7	11.6	15.1	-13.2	-12.0	24.6	11.8	13.5	-14.8
142.0	17.2	11.7	17.8	-12.3	-13.1	-15.0	11.7	20.8	-12.1	-13.3	14.9	11.7	19.1	-12.2	-12.7	16.6	15.4	15.4
143.0	-13.7	14.0	12.0	-22.2	-11.7	-15.0	13.1	12.2	-18.9	-11.7	-15.2	13.1	12.1	-21.5	-11.8	-14.0	14.1	11.7
144.0	-11.7	-16.5	12.5	12.8	-15.6	-11.7	-19.7	12.1	13.3	-14.9	-11.7	-19.7	12.2	12.9	-15.9	-11.6	-16.4	12.8
145.0	14.8	-11.9	36.1	11.9	14.6	-13.4	12.2	19.7	11.7	15.2	-13.1	13.1	-20.4	11.7	14.4	-13.8	-11.8	-22.9
146.0	15.4	-12.9	-12.6	16.5	11.7	18.5	-12.3	-13.2	15.1	11.8	19.8	-12.2	-13.1	15.5	11.7	17.3	-12.6	-12.4
147.0	11.8	21.8	-12.0	-14.1	13.8	12.1	-21.2	-11.8	-15.1	13.2	12.2	-20.1	-11.8	-14.7	13.6	12.0	39.5	-12.0
148.0	-13.5	12.3	-17.9	-11.8	-17.3	12.5	13.0	-15.5	-11.8	-19.4	12.3	13.1	-15.4	-11.7	-18.1	12.5	12.6	-17.4
149.0	13.5	12.3	13.6	-14.3	-12.0	25.0	11.9	14.8	-13.4	-12.2	20.4	11.8	14.9	-13.5	-12.1	24.8	11.9	13.8
150.0	-12.1	20.4	11.8	16.1	-12.7	-12.8	16.1	11.8	18.7	-12.3	-13.1	15.4	11.8	18.5	-12.4	-12.8	16.6	11.7
151.0	-12.6	-13.1	15.1	-11.9	26.4	-12.0	-14.4	13.7	12.2	-21.4	-11.9	-14.9	-15.4	-11.7	-22.7	-11.9	-18.2	14.2
152.0	-31.1	-11.9	-15.2	13.1	12.6	-17.1	-11.8	-17.7	12.5	13.1	-15.7	-11.8	-18.6	12.4	13.0	-16.2	-11.8	-16.6
153.0	12.7	-16.3	-11.9	-20.6	12.2	13.9	-14.1	-12.1	23.7	11.9	14.8	-13.6	-12.2	22.2	11.9	14.4	-13.9	-22.0
154.0	12.1	14.3	-13.6	-12.3	18.6	11.8	16.8	-12.7	-12.9	16.1	11.8	18.4	-22.5	-13.0	16.0	11.8	17.3	-12.7
155.0	13.2	11.9	18.0	-12.4	-13.5	14.7	-35.9	-12.0	-12.0	-14.5	13.7	12.2	-22.5	-11.9	-14.6	13.8	12.1	36.3
156.0	-13.6	14.4	12.0	-21.6	-11.9	-15.8	13.0	12.7	-16.7	-11.9	-17.8	12.6	13.0	-16.0	-11.8	-17.7	12.7	12.7
157.0	-11.9	-16.3	12.8	13.1	-15.5	-12.0	-23.2	12.1	14.2	-14.0	-12.2	24.1	12.0	14.6	-13.8	-12.1	27.5	12.0
158.0	-15.5	-12.0	-30.5	12.1	15.0	-13.3	12.5	17.8	11.9	17.1	12.7	-13.0	16.3	11.9	17.8	-12.6	-12.9	16.9
159.0	15.0	-13.3	-12.7	15.7	11.9	19.7	-12.3	-13.8	14.4	12.1	-29.3	-12.1	-14.5	13.9	12.2	-25.9	-12.1	-14.2
160.0	12.0	20.2	-12.3	-14.2	13.9	12.4	-19.5	-11.9	-16.3	12.9	12.8	-16.7	-11.9	-17.6	12.7	12.9	16.7	-11.9
161.0	14.0	12.4	-18.7	-12.0	-17.6	12.6	13.4	-15.0	-12.1	-25.9	12.0	14.3	-14.1	-12.2	26.7	12.1	14.3	-14.2
162.0	-17.3	12.6	13.6	-14.6	-12.2	23.3	12.0	15.6	-13.2	-12.7	17.4	11.9	17.2	-12.8	-12.9	16.7	17.0	17.0
163.0	-12.2	23.4	12.0	15.1	-12.9	-13.1	15.9	12.0	21.4	-12.3	-14.0	14.4	12.2	-31.8	-12.1	-14.3	14.2	12.1
164.0	16.4	-13.1	15.7	-12.1	25.8	-12.2	-14.8	13.6	12.5	-18.6	-12.0	-16.6	-12.9	12.9	-17.0	-11.9	-17.1	12.9
165.0	22.9	-17.4	-14.0	-19.7	12.7	-17.1	-13.0	-18.9	12.5	-13.7	14.8	-12.1	-27.3	12.2	14.2	-14.3	-12.2	-30.6
166.0	12.6	14.0	14.2	12.4	12.4	14.2	-14.1	-12.4	20.7	12.0	16.0	-13.1	-12.8	17.4	12.0	16.9	-12.9	-12.8
167.0	12.5	14.0	-14.2	-12.4	19.3	12.0	17.2	-12.8	-13.3	15.4	12.1	22.7	-12.3	-14.1	14.5	13.0	29.3	-12.2
168.0	20.9	12.1	17.2	-12.7	-13.6	14.9	12.2	-26.0	-12.1	-15.3	13.4	12.7	-18.3	-12.0	-16.6	12.8	12.8	-14.5
169.0	-13.3	15.2	-24.8	-12.1	-12.1	-15.9	13.1	13.0	-16.3	-12.1	20.1	12.5	13.8	-14.8	-12.2	-26.0	14.1	14.1
170.0	-12.2	-15.5	13.2	13.1	-16.0	-12.1	-23.6	12.3	14.7	-13.8	-12.5	19.6	12.1	16.2	-13.2	-12.8	17.8	12.0
171.0	-16.9	-12.1	-22.3	12.3	14.9	-13.6	-12.7	17.7	12.1	18.3	-12.7	-13.6	15.2	12.2	23.2	-12.4	-14.0	-14.0

TABLE III. — Concluded

BESSEL FUNCTIONS OF ORDER 36 TO 53

ARG	BESSEL FUNCTION ORDER																	
	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
172.0	14.4	-13.9	-12.7	17.8	12.1	19.2	12.5	-14.1	14.4	12.4	22.2	-12.1	15.6	13.4	12.7	-18.3	12.1	16.4
173.0	12.1	18.1	-12.6	-14.0	14.3	12.5	-20.0	-12.1	-16.9	12.9	13.3	-15.9	12.1	-21.0	12.5	13.9	-14.9	12.2
174.0	15.0	12.4	-21.3	-12.2	-17.0	12.9	13.5	-15.2	-12.3	35.2	12.3	15.1	13.7	-12.6	19.3	12.1	16.2	-13.3
175.0	-15.9	13.1	13.4	-15.4	-12.3	27.1	12.2	15.7	-13.3	-13.0	16.8	12.1	19.2	-12.6	13.7	15.2	12.2	22.5
176.0	-12.2	-25.5	12.3	15.5	-13.3	-13.1	16.3	12.2	22.1	-12.4	14.5	14.1	12.5	-20.9	-12.2	-15.8	13.4	12.7
177.0	-13.8	-12.9	17.0	12.2	21.7	-12.4	14.8	13.8	12.7	-18.3	-12.1	-17.7	12.8	13.5	-15.7	-12.2	-21.2	12.5
178.0	18.7	-12.6	-14.4	14.0	12.7	-18.1	-12.2	-18.8	12.7	14.0	-14.7	-12.4	24.6	12.3	15.3	-13.7	12.7	19.4
179.0	12.5	-20.2	-12.2	-13.0	12.7	14.0	-14.5	-12.5	20.9	12.2	16.5	-13.1	13.2	16.4	12.2	19.7	-12.6	13.7
180.0	13.1	13.6	-15.1	-12.4	21.9	12.2	16.8	-13.0	-13.5	15.5	12.3	27.2	-12.4	-14.8	14.0	12.6	-20.5	12.2
181.0	-28.7	12.3	16.0	-13.2	-13.4	15.6	12.3	-33.2	-12.3	-15.5	13.5	13.0	-17.4	-12.2	-13.4	12.8	13.6	-15.7
182.0	-13.0	16.7	12.3	24.9	-12.4	-15.4	13.5	13.1	-16.7	-12.2	-21.0	12.5	14.3	-14.4	12.5	22.7	12.3	15.4
183.0	-12.6	-14.6	13.9	12.9	-17.2	-12.3	-21.1	12.5	14.7	-14.0	-12.7	19.0	12.2	17.3	-13.0	-13.4	16.2	12.2
184.0	-19.8	-13.3	-13.7	12.7	14.4	-14.2	-12.7	18.6	12.2	18.3	-12.8	-13.9	15.0	12.4	-30.1	-12.4	-15.1	13.9
185.0	13.7	-15.0	-12.6	20.4	12.3	17.8	12.8	-14.0	14.8	12.5	-22.1	-12.3	-16.2	13.3	13.1	-16.9	-12.2	-18.8
186.0	12.4	16.3	-13.2	-13.6	15.2	12.5	-22.7	-12.3	-16.6	13.2	13.4	-15.8	-12.3	-23.9	12.5	14.6	-14.3	-12.6
187.0	16.6	12.4	28.9	-12.4	-16.0	13.3	13.4	-15.8	-12.4	-29.8	12.4	15.3	13.7	-12.9	18.0	12.3	17.8	-13.0
188.0	-14.3	13.9	13.1	-16.8	-12.4	-24.1	12.5	15.4	-13.6	-13.1	17.1	12.3	20.1	-12.7	-14.2	14.7	12.5	-25.9
189.0	-12.3	-19.1	12.7	14.7	-14.0	-12.9	17.5	12.3	20.5	-12.6	-14.6	14.3	12.7	-19.8	-12.3	-16.8	13.2	13.3
190.0	-15.0	-12.7	19.8	12.3	18.7	-12.8	-14.4	14.3	12.8	-19.1	-12.3	-17.9	12.9	13.8	-15.3	-12.4	-28.2	12.5
191.0	16.4	-13.2	-13.6	15.0	12.6	-20.7	-12.3	-17.7	13.0	13.9	-15.0	-12.5	23.8	12.4	16.0	-13.5	-13.1	17.5
192.0	12.4	31.8	-12.4	-16.3	13.2	13.7	-15.4	-12.5	23.8	12.4	16.4	-13.3	13.4	16.2	12.4	22.0	-12.6	-14.5
193.0	14.0	13.1	-16.6	-12.4	-28.5	12.5	15.9	-13.4	-13.4	16.1	12.4	25.8	-12.5	-15.2	13.9	12.9	-18.8	-12.3
194.0	-19.1	12.7	14.9	-13.9	-13.1	16.9	12.4	23.4	-12.6	-15.3	13.8	13.1	-17.5	-12.4	-19.3	12.8	14.1	-15.1
195.0	-12.7	19.7	12.4	19.3	-12.8	-14.7	14.1	13.0	-17.8	-12.4	-20.0	12.8	14.5	-14.5	-12.7	20.9	12.4	16.4
196.0	-13.3	-13.9	15.0	12.7	-19.8	-12.4	-18.6	12.9	14.4	-14.5	-12.8	19.7	12.4	17.5	-13.1	-13.7	15.7	12.5
197.0	29.1	-12.5	-16.5	13.2	13.9	-15.1	-12.7	21.1	12.4	17.5	-13.1	-13.9	15.3	12.6	-26.5	-12.5	-15.7	13.7
198.0	13.2	-16.7	-12.5	-35.0	12.5	16.4	13.3	-13.7	15.5	12.6	-25.3	-12.5	-16.2	13.5	13.4	-16.6	-12.4	-20.7
199.0	12.8	14.9	-14.0	-13.2	16.7	12.5	27.7	-12.6	-15.9	13.6	13.4	-16.4	-12.5	-23.7	12.6	15.0	-14.2	-12.9
200.0	20.2	12.4	19.4	-12.8	-15.0	14.0	13.2	-17.1	-12.5	-22.7	12.7	15.2	-14.0	-13.1	18.0	12.4	18.7	-13.0
201.0	-13.8	15.1	12.8	-19.6	-12.5	-19.3	12.8	14.8	-14.2	-13.0	18.1	12.4	19.5	-12.9	-14.4	14.7	12.7	-22.3
202.0	-12.6	-16.5	13.3	14.0	-15.0	-12.8	20.0	12.5	18.5	-13.0	-14.4	14.7	12.8	-20.5	-12.5	-17.2	13.3	13.6
203.0	-17.0	-12.6	-34.2	12.6	16.6	-13.3	-13.9	15.2	12.7	-21.6	-12.5	-17.3	13.2	13.8	-15.5	-12.6	35.7	12.6
204.0	14.8	-14.1	-13.3	16.7	12.6	37.8	-12.6	-16.4	13.4	13.7	-15.7	-12.6	27.9	12.6	16.0	-13.6	-13.3	17.1
205.0	12.5	19.2	-12.9	-15.0	14.0	13.3	-16.8	-12.6	-26.7	12.6	15.8	-13.7	13.4	16.7	12.5	22.3	-12.8	-14.8
206.0	15.3	12.8	-19.8	-12.5	-19.7	12.8	15.0	-14.1	-13.2	17.3	12.5	22.0	-12.8	-15.1	14.2	13.0	-18.6	-12.5
207.0	-16.3	13.4	14.0	-15.1	-12.9	19.6	12.5	19.3	-12.9	-14.8	14.4	13.0	-18.5	-12.5	-19.0	13.0	14.3	-15.0
208.0	-12.6	-28.2	12.6	16.7	-13.3	-14.1	15.1	12.8	-20.2	-12.5	-18.4	13.1	14.3	-14.9	-12.8	21.4	12.5	16.9
209.0	-14.3	-13.3	16.9	12.6	-36.5	-12.6	-15.7	13.4	14.0	-15.3	-12.8	22.2	12.6	17.1	-13.3	-13.8	15.8	12.6
210.0	13.6	-13.0	-15.0	14.1	13.4	-16.7	-12.6	-37.0	12.6	16.4	-13.5	-13.7	15.9	12.7	-36.3	-12.7	-15.8	13.8
211.0	12.8	-20.5	-12.6	-19.6	12.9	15.2	-14.0	-13.4	16.9	12.6	25.6	-12.7	15.7	13.8	13.4	-17.0	-12.6	-21.2

TABLE IV
 BESSEL FUNCTIONS OF ORDER 54 TO 71

		BESSEL FUNCTION ORDER																
ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.6	766.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.7	751.2	769.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.8	738.4	756.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
1.9	725.7	743.4	761.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.0	713.7	731.1	748.6	766.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.1	702.3	719.5	736.7	754.1	769.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.2	691.4	708.4	725.4	742.6	759.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.3	681.0	697.8	714.6	731.6	748.6	765.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.4	671.0	687.6	704.3	721.1	737.9	754.8	769.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.5	661.4	677.3	694.4	711.0	727.6	744.4	761.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.6	652.2	668.5	684.8	701.3	717.7	734.3	751.0	767.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.7	643.4	659.5	675.7	691.9	708.3	724.7	741.1	757.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.8	634.9	650.8	666.8	682.9	699.1	715.3	731.7	748.1	764.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
2.9	626.7	642.4	658.3	674.3	690.3	706.4	722.5	738.8	755.1	769.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
3.0	618.7	634.4	650.1	665.9	681.7	697.7	713.7	729.8	746.0	762.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
3.1	611.0	626.5	642.1	657.8	673.5	689.3	705.2	721.1	737.1	753.2	769.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9
3.2	603.6	619.0	634.4	649.9	665.5	681.2	696.9	712.7	728.6	744.6	760.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9
3.3	596.4	611.6	626.9	642.3	657.8	673.3	688.9	704.6	720.3	736.1	752.0	768.0	999.9	999.9	999.9	999.9	999.9	999.9
3.4	589.4	604.5	619.7	634.9	650.3	665.7	681.1	696.7	712.3	728.0	743.7	759.6	999.9	999.9	999.9	999.9	999.9	999.9
3.5	582.6	597.6	612.7	627.8	643.0	658.2	673.6	689.0	704.5	720.1	735.7	751.4	767.2	999.9	999.9	999.9	999.9	999.9
3.6	576.0	590.9	605.8	620.8	635.9	651.0	666.3	681.6	696.9	712.4	727.9	743.4	759.1	999.9	999.9	999.9	999.9	999.9
3.7	569.6	584.4	599.2	614.0	629.0	644.0	659.1	674.3	689.6	704.9	720.3	735.7	751.2	766.8	999.9	999.9	999.9	999.9
3.8	563.4	578.0	592.7	607.5	622.3	637.2	652.2	667.3	682.4	697.6	712.9	728.2	743.6	759.1	999.9	999.9	999.9	999.9
3.9	557.3	571.8	586.4	601.0	615.8	630.6	645.5	660.4	675.4	690.5	705.7	720.9	736.2	751.5	767.0	999.9	999.9	999.9

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

BESSEL FUNCTION ORDER

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
4.0	551.4	565.8	580.2	594.8	609.4	624.1	638.9	653.7	668.6	683.6	698.6	713.8	728.9	744.2	759.5	774.9	790.3	805.9
4.1	545.6	559.9	574.3	588.7	603.2	617.8	632.4	647.2	662.0	676.9	691.8	706.8	721.9	737.0	752.2	767.5	782.9	798.9
4.2	540.0	554.2	568.4	582.7	597.1	611.6	626.2	640.8	655.5	670.3	685.1	700.0	715.0	730.0	745.1	760.3	775.9	791.9
4.3	534.5	548.6	562.7	576.9	591.2	605.6	620.1	634.6	649.2	663.8	678.6	693.4	708.2	723.2	738.2	753.2	768.4	783.9
4.4	529.1	543.1	557.1	571.3	585.5	599.7	614.1	628.6	643.0	657.6	672.2	686.9	701.7	716.5	731.4	746.4	761.4	776.9
4.5	523.9	537.7	551.7	565.7	579.8	594.0	608.3	622.6	637.0	651.4	666.0	680.6	695.2	710.0	724.8	739.6	754.6	769.6
4.6	518.7	532.5	546.4	560.3	574.3	588.4	602.5	616.8	631.1	645.4	659.9	674.4	689.0	703.6	718.3	733.1	747.9	762.8
4.7	513.7	527.4	541.1	555.0	568.9	582.9	597.0	611.1	625.3	639.6	653.9	668.3	682.8	697.4	712.0	726.6	741.4	756.2
4.8	508.8	522.4	536.0	549.8	563.6	577.5	591.5	605.5	619.6	633.8	648.1	662.4	676.8	691.2	705.8	720.3	734.7	749.2
4.9	504.0	517.5	531.0	544.7	558.4	572.2	586.1	600.1	614.1	628.2	642.4	656.6	670.9	685.3	699.7	714.2	728.7	743.4
5.0	499.2	512.7	526.1	539.7	553.4	567.1	580.9	594.7	608.7	622.7	636.8	650.9	665.1	679.4	693.7	708.1	722.6	737.1
5.1	494.6	507.9	521.4	534.8	548.4	562.0	575.7	589.5	603.4	617.3	631.3	645.3	659.5	673.7	687.9	702.2	716.6	731.0
5.2	490.1	503.3	516.6	530.0	543.5	557.1	570.7	584.4	598.2	612.0	625.9	639.9	653.9	668.0	682.2	696.4	710.7	725.1
5.3	485.6	498.8	512.0	525.4	538.7	552.2	565.8	579.4	593.1	606.8	620.6	634.5	648.5	662.5	676.6	690.7	704.9	719.2
5.4	481.3	494.4	507.5	520.7	534.1	547.4	560.9	574.4	588.0	601.7	615.4	629.3	643.1	657.1	671.1	685.1	699.3	713.5
5.5	477.0	490.0	503.1	516.2	529.5	542.8	556.1	569.6	583.1	596.7	610.4	624.1	637.9	651.7	665.7	679.7	693.7	707.8
5.6	472.8	485.7	498.7	511.8	524.9	538.2	551.5	564.8	578.3	591.8	605.4	619.0	632.7	646.5	660.4	674.3	688.3	702.3
5.7	468.7	481.5	494.4	507.4	520.5	533.7	546.9	560.2	573.5	587.0	600.5	614.0	627.7	641.4	655.2	669.0	682.9	696.8
5.8	464.6	477.4	490.2	503.1	516.1	529.2	542.4	555.6	568.9	582.2	595.7	609.2	622.7	636.4	650.0	663.8	677.6	691.5
5.9	460.6	473.3	486.1	498.9	511.9	524.9	537.9	551.1	564.3	577.6	590.9	604.4	617.8	631.4	645.0	658.7	672.4	686.2
6.0	456.7	469.3	482.0	494.8	507.6	520.6	533.6	546.6	559.8	573.0	586.3	599.6	613.0	626.5	640.1	653.7	667.4	681.1
6.1	452.8	465.4	478.0	490.7	503.5	516.4	529.3	542.3	555.4	568.5	581.7	595.0	608.3	621.7	635.2	648.7	662.3	676.0
6.2	449.1	461.5	474.1	486.7	499.4	512.2	525.1	538.0	551.0	564.1	577.2	590.4	603.7	617.0	630.4	643.9	657.4	671.0
6.3	445.3	457.7	470.2	482.8	495.4	508.1	520.9	533.8	546.7	559.7	572.8	585.9	599.1	612.4	625.7	639.1	652.6	666.1
6.4	441.7	454.0	466.4	478.9	491.5	504.1	516.8	529.5	542.5	555.4	568.4	581.5	594.6	607.8	621.1	634.4	647.8	661.3
6.5	438.1	450.3	462.7	475.1	487.6	500.2	512.8	525.5	538.3	551.2	564.1	577.1	590.2	603.3	616.5	629.8	643.1	656.5
6.6	434.5	446.7	459.0	471.3	483.8	496.3	508.9	521.5	534.3	547.0	559.9	572.8	585.8	598.9	612.0	625.2	638.5	651.8
6.7	431.0	443.1	455.4	467.6	480.0	492.5	505.0	517.6	530.2	543.0	555.8	568.6	581.6	594.6	607.6	620.7	633.9	647.2
6.8	427.5	439.6	451.8	464.0	476.3	488.7	501.1	513.7	526.3	538.9	551.7	564.5	577.3	590.3	603.3	616.3	629.5	642.6
6.9	424.2	436.2	448.2	460.4	472.7	485.0	497.4	509.8	522.4	535.0	547.6	560.4	573.2	586.0	599.0	612.0	625.0	638.2
7.0	420.8	432.8	444.8	456.9	469.1	481.3	493.6	506.0	518.5	531.0	543.7	556.3	569.1	581.9	594.8	607.7	620.7	633.7
7.1	417.5	429.4	441.4	453.4	465.5	477.7	490.0	502.3	514.7	527.2	539.7	552.3	565.0	577.8	590.6	603.5	616.4	629.4
7.2	414.3	426.1	438.0	450.0	462.0	474.1	486.3	498.6	511.0	523.4	535.9	548.4	561.0	573.7	586.5	599.3	612.2	625.1
7.3	411.0	422.8	434.7	446.6	458.6	470.6	482.8	495.0	507.3	519.6	532.1	544.6	557.1	569.7	582.4	595.2	608.0	620.9
7.4	407.9	419.6	431.4	443.2	455.2	467.2	479.3	491.4	503.6	515.9	528.3	540.7	553.2	565.8	578.4	591.1	603.9	616.7
7.5	404.8	416.4	428.1	439.9	451.8	463.8	475.8	487.9	500.1	512.3	524.6	537.0	549.4	561.9	574.5	587.1	599.8	612.6
7.6	401.7	413.3	424.9	436.7	448.5	460.4	472.4	484.4	496.5	508.7	520.9	533.3	545.6	558.1	570.6	583.2	595.8	608.5
7.7	398.7	410.2	421.8	433.5	445.2	457.1	469.0	481.0	493.0	505.1	517.3	529.6	541.9	554.3	566.8	579.3	591.9	604.5
7.8	395.7	407.1	418.7	430.3	442.0	453.8	465.6	477.6	489.6	501.6	513.8	526.0	538.2	550.6	563.0	575.4	588.0	600.6
7.9	392.7	404.1	415.6	427.2	438.8	450.6	462.4	474.2	486.2	498.2	510.3	522.4	534.6	546.9	559.2	571.7	584.1	596.7

TABLE IV. — Continued
 BESSEL FUNCTIONS OF ORDER 54 TO 71

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
8.0	389.8	401.3	412.6	424.1	435.7	447.4	459.1	470.9	482.8	494.8	506.8	518.9	531.0	543.3	555.6	567.9	580.3	592.8
8.2	384.1	395.6	406.6	418.1	429.5	441.1	452.7	464.4	476.2	488.1	500.0	512.0	524.0	536.1	548.3	560.6	572.9	585.2
8.4	378.5	389.6	400.8	412.1	423.5	435.0	446.5	458.1	469.8	481.5	493.3	505.2	517.2	529.2	541.2	553.4	565.6	577.9
8.6	373.0	384.1	395.2	406.4	417.7	429.0	440.4	451.9	463.5	475.1	486.9	498.6	510.5	522.4	534.4	546.4	558.5	570.7
8.8	367.7	378.6	389.3	400.8	411.9	423.2	434.5	445.9	457.4	468.9	480.5	492.2	503.9	515.7	527.6	539.6	551.6	563.6
9.0	362.5	373.3	384.3	395.3	406.3	417.5	428.7	440.0	451.4	462.8	474.3	485.9	497.6	509.3	521.0	532.9	544.8	556.7
9.2	357.4	368.2	379.0	389.9	400.9	411.9	423.1	434.3	445.5	456.9	468.3	479.8	491.3	502.9	514.6	526.3	538.2	550.0
9.4	352.5	363.1	373.8	384.6	395.5	406.5	417.5	428.6	439.8	451.1	462.4	473.8	485.2	496.7	508.3	520.0	531.7	543.4
9.6	347.6	358.1	368.8	379.5	390.3	401.2	412.1	423.1	434.2	445.4	456.6	467.9	479.2	490.7	502.2	513.7	525.3	537.0
9.8	342.8	353.3	363.8	374.5	385.2	395.9	406.8	417.7	428.7	439.8	450.9	462.1	473.4	484.7	496.1	507.6	519.1	530.7
10.0	338.2	348.5	359.0	369.5	380.2	390.8	401.6	412.4	423.3	434.3	445.4	456.5	467.7	478.9	490.2	501.6	513.0	524.5
10.2	333.6	343.9	354.3	364.7	375.2	385.8	396.5	407.3	418.1	429.0	439.9	451.0	462.1	473.2	484.4	495.7	507.1	518.6
10.4	329.1	339.3	349.6	359.9	370.4	380.9	391.5	402.2	412.9	423.7	434.6	445.5	456.6	467.6	478.8	489.0	500.0	511.2
10.6	324.8	334.9	345.1	355.4	365.7	376.1	386.6	397.2	407.9	418.6	429.4	440.2	451.2	462.2	473.2	484.3	495.3	506.8
10.8	320.5	330.5	340.6	350.8	361.1	371.4	381.8	392.3	402.9	413.6	424.3	435.0	445.9	456.8	467.8	478.8	489.8	501.1
11.0	316.2	326.2	336.2	346.3	356.5	366.8	377.1	387.6	398.0	408.6	419.2	429.9	440.7	451.5	462.4	473.4	484.4	495.5
11.2	312.1	322.0	331.9	342.0	352.1	362.3	372.5	382.9	393.3	403.8	414.3	424.9	435.6	446.3	457.2	468.0	478.9	489.0
11.4	308.0	317.8	327.7	337.7	347.7	357.8	367.8	377.9	388.0	398.1	408.3	418.5	428.7	439.0	449.3	459.6	469.9	480.0
11.6	304.1	313.8	323.6	333.5	343.4	353.4	363.6	373.7	383.8	394.0	404.2	414.4	424.6	434.9	445.2	455.5	465.8	476.1
11.8	300.1	309.8	319.5	329.3	339.2	349.1	359.2	369.3	379.5	389.7	399.9	410.1	420.2	430.4	440.6	450.8	461.0	471.1
12.0	296.3	305.9	315.5	325.2	335.0	344.9	354.9	364.9	375.0	385.2	395.4	405.7	415.9	426.1	436.3	446.5	456.7	466.9
12.2	292.5	302.0	311.6	321.2	331.0	340.8	350.7	360.6	370.7	380.8	390.9	401.2	411.5	421.8	432.1	442.3	452.5	462.7
12.4	288.8	298.2	307.7	317.3	327.0	336.7	346.5	356.4	366.4	376.4	386.5	396.6	406.9	417.2	427.5	437.8	448.1	458.4
12.6	285.1	294.5	303.9	313.4	323.0	332.7	342.4	352.3	362.1	372.1	382.1	392.2	402.4	412.6	422.9	433.3	443.7	454.0
12.8	281.6	290.9	300.2	309.6	319.2	328.8	338.4	348.2	358.0	367.9	377.8	387.9	397.9	408.1	418.3	428.6	439.0	449.4
13.0	278.0	287.2	296.5	305.9	315.4	324.9	334.5	344.2	353.9	363.7	373.6	383.6	393.6	403.7	413.8	424.1	434.4	444.7
13.2	274.5	283.7	292.9	302.2	311.6	321.1	330.6	340.2	349.9	359.6	369.4	379.3	389.3	399.3	409.4	419.6	429.8	440.1
13.4	271.1	280.2	289.4	298.6	307.9	317.3	326.8	336.3	345.9	355.6	365.4	375.2	385.1	395.0	405.1	415.1	425.3	435.5
13.6	267.8	276.8	285.9	295.0	304.3	313.6	323.0	332.5	342.0	351.6	361.3	371.1	380.9	390.8	400.8	410.8	420.9	431.0
13.8	264.4	273.4	282.4	291.5	300.7	310.0	319.3	328.7	338.2	347.7	357.4	367.1	376.8	386.6	396.5	406.5	416.5	426.6
14.0	261.0	270.1	279.0	288.1	297.2	306.4	315.7	325.0	334.4	343.9	353.5	363.1	372.8	382.5	392.4	402.3	412.2	422.2
14.2	257.7	266.8	275.7	284.7	293.7	302.9	312.1	321.3	330.7	340.1	349.6	359.2	368.8	378.5	388.3	398.1	408.0	418.0
14.4	254.4	263.4	272.4	281.3	290.3	299.4	308.5	317.7	327.0	336.4	345.8	355.3	364.9	374.5	384.2	394.0	403.8	413.7
14.6	251.1	260.1	269.2	278.0	286.9	295.9	305.0	314.2	323.4	332.7	342.1	351.5	361.0	370.6	380.3	390.0	399.7	409.6
14.8	247.8	256.8	265.8	274.7	283.6	292.6	301.6	310.7	319.9	329.1	338.3	347.4	356.5	365.6	374.8	384.0	393.2	402.5
15.0	244.5	253.5	262.5	271.5	280.4	289.2	298.2	307.2	316.3	325.5	334.8	344.1	353.5	362.9	372.5	382.1	391.7	401.4
15.2	241.2	250.2	259.2	268.4	277.1	286.0	294.9	303.8	312.9	322.0	331.2	340.5	349.8	359.2	368.6	378.2	387.9	397.4
15.4	237.9	246.9	255.9	265.2	274.0	282.9	291.8	300.5	309.5	318.5	327.7	336.9	346.1	355.5	364.9	374.6	384.3	393.9
15.6	234.6	243.6	252.6	262.0	270.8	279.7	288.6	297.5	306.6	315.6	324.8	333.9	343.1	352.5	361.9	371.6	381.3	390.9
15.8	231.3	240.3	249.3	258.7	267.5	276.4	285.3	294.2	303.2	312.1	321.2	330.3	339.3	348.5	357.8	367.3	376.8	386.3

TABLE IV. — Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

ARG	BESSEL FUNCTION ORDER																	
	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
16.0	231.1	239.4	247.7	256.2	264.7	273.3	281.9	290.7	299.5	308.4	317.4	326.4	335.5	344.7	353.9	363.2	372.6	382.0
16.2	228.3	236.5	244.8	253.2	261.7	270.2	278.8	287.5	296.3	305.1	314.0	323.0	332.0	341.2	350.3	359.6	368.9	378.3
16.4	225.5	233.7	242.0	250.3	258.7	267.2	275.7	284.4	293.1	301.9	310.7	319.6	328.6	337.7	346.8	356.0	365.3	374.6
16.6	222.8	230.9	239.1	247.4	255.8	264.2	272.7	281.3	289.9	298.7	307.5	316.3	325.3	334.3	343.3	352.5	361.7	370.9
16.8	220.2	228.2	236.4	244.6	252.9	261.3	269.7	278.2	286.8	295.5	304.2	313.1	321.9	330.9	339.9	349.0	358.1	367.3
17.0	217.5	225.5	233.6	241.8	250.0	258.3	266.7	275.2	283.8	292.4	301.1	309.8	318.7	327.6	336.5	345.5	354.6	363.8
17.2	214.9	222.9	230.9	239.0	247.2	255.5	263.8	272.2	280.7	289.3	297.9	306.6	315.4	324.3	333.2	342.2	351.2	360.3
17.4	212.3	220.2	228.2	236.3	244.4	252.6	260.9	269.3	277.7	286.3	294.8	303.5	312.2	321.0	329.9	338.8	347.8	356.8
17.6	209.8	217.7	225.6	233.6	241.7	249.8	258.1	266.4	274.8	283.3	291.8	300.4	309.1	317.8	326.6	335.5	344.4	353.4
17.8	207.3	215.1	223.0	230.9	239.0	247.1	255.3	263.5	271.9	280.3	288.8	297.3	305.9	314.6	323.4	332.2	341.1	350.0
18.0	204.8	212.6	220.4	228.3	236.3	244.3	252.5	260.7	269.0	277.4	285.8	294.3	302.9	311.5	320.2	329.0	337.8	346.7
18.2	202.4	210.1	217.8	225.7	233.6	241.6	249.7	257.9	266.1	274.5	282.8	291.3	299.8	308.4	317.1	325.8	334.6	343.4
18.4	200.0	207.6	215.3	223.1	231.0	239.0	247.0	255.1	263.3	271.6	279.9	288.3	296.8	305.3	313.9	322.6	331.4	340.2
18.6	197.6	205.2	212.8	220.6	228.4	236.4	244.3	252.4	260.5	268.8	277.0	285.4	293.8	302.3	310.9	319.5	328.2	336.9
18.8	195.2	202.8	210.4	218.1	225.9	233.8	241.7	249.7	257.8	266.0	274.2	282.5	290.9	299.3	307.8	316.4	325.0	333.8
19.0	192.9	200.4	208.0	215.6	223.4	231.2	239.1	247.0	255.1	263.2	271.4	279.6	288.0	296.4	304.8	313.4	321.9	330.6
19.2	190.6	198.0	205.6	213.2	220.9	228.6	236.5	244.4	252.4	260.5	268.6	276.8	285.1	293.4	301.9	310.3	318.9	327.5
19.4	188.3	195.7	203.2	210.8	218.4	226.1	233.9	241.8	249.7	257.8	265.9	274.0	282.3	290.6	298.9	307.4	315.9	324.4
19.6	186.1	193.4	200.9	208.4	216.0	223.6	231.4	239.2	247.1	255.1	263.1	271.3	279.4	287.7	296.0	304.4	312.9	321.4
19.8	183.9	191.2	198.5	206.0	213.6	221.2	228.9	236.7	244.5	252.5	260.5	268.5	276.7	284.9	293.1	301.5	309.9	318.4
20.0	181.7	188.9	196.3	203.7	211.2	218.8	226.4	234.2	242.0	249.8	257.8	265.8	273.9	282.1	290.3	298.6	307.0	315.4
20.2	179.5	186.7	194.0	201.4	208.8	216.4	224.0	231.7	239.4	247.3	255.2	263.1	271.2	279.3	287.5	295.7	304.1	312.4
20.4	177.3	184.5	191.8	199.1	206.5	214.0	221.6	229.2	236.9	244.7	252.6	260.5	268.5	276.6	284.7	292.9	301.2	309.5
20.6	175.2	182.3	189.5	196.8	204.2	211.6	219.2	226.8	234.4	242.2	250.0	257.9	265.8	273.9	282.0	290.1	298.4	306.6
20.8	173.1	180.2	187.4	194.6	201.9	209.3	216.8	224.3	232.0	239.7	247.5	255.3	263.2	271.2	279.2	287.4	295.5	303.8
21.0	171.1	178.1	185.2	192.4	199.7	207.0	214.5	222.0	229.5	237.2	244.9	252.7	260.6	268.5	276.6	284.6	292.8	301.0
21.2	169.0	176.0	183.1	190.2	197.4	204.8	212.1	219.6	227.1	234.8	242.4	250.2	258.0	265.9	273.9	281.9	290.0	298.2
21.4	167.0	173.9	180.9	188.1	195.2	202.5	209.9	217.3	224.8	232.3	240.0	247.7	255.5	263.3	271.3	279.2	287.3	295.4
21.6	165.0	171.9	178.9	185.9	193.1	200.3	207.6	215.0	222.4	229.9	237.5	245.2	253.0	260.8	268.6	276.6	284.6	292.7
21.8	163.0	169.8	176.8	183.8	190.9	198.1	205.3	212.7	220.1	227.6	235.1	242.8	250.5	258.2	266.1	274.0	281.9	290.0
22.0	161.0	167.8	174.7	181.7	188.8	195.9	203.1	210.4	217.8	225.2	232.7	240.3	248.0	255.7	263.5	271.4	279.3	287.3
22.2	159.1	165.9	172.7	179.6	186.7	193.8	200.9	208.2	215.5	222.9	230.4	237.9	245.5	253.2	261.0	268.8	276.7	284.6
22.4	157.2	163.9	170.7	177.6	184.6	191.6	198.8	206.0	213.3	220.6	228.0	235.5	243.1	250.8	258.5	266.3	274.1	282.0
22.6	155.3	162.0	168.7	175.6	182.5	189.5	196.6	203.8	211.0	218.3	225.7	233.2	240.7	248.3	256.0	263.7	271.5	279.4
22.8	153.4	160.0	166.8	173.6	180.5	187.4	194.5	201.6	208.8	216.1	223.4	230.9	238.4	245.9	253.5	261.2	269.0	276.8
23.0	151.5	158.1	164.8	171.6	178.4	185.4	192.4	199.5	206.6	213.9	221.2	228.5	236.0	243.5	251.1	258.8	266.5	274.3
23.2	149.7	156.3	162.9	169.6	176.4	183.3	190.3	197.3	204.5	211.6	218.9	226.3	233.7	241.2	248.7	256.3	264.0	271.8
23.4	147.9	154.4	161.0	167.7	174.4	181.3	188.2	195.2	202.3	209.5	216.7	224.0	231.4	238.8	246.3	253.9	261.5	269.3
23.6	146.1	152.6	159.1	165.8	172.5	179.3	186.2	193.1	200.2	207.3	214.5	221.8	229.1	236.5	244.0	251.5	259.1	266.8
23.8	144.3	150.7	157.2	163.9	170.5	177.3	184.2	191.1	198.1	205.2	212.3	219.5	226.8	234.2	241.6	249.1	256.7	264.3

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

BESSEL FUNCTION ORDER

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
24.0	142.5	148.9	155.4	162.0	168.6	175.3	182.2	189.0	196.0	203.0	210.1	217.3	224.6	231.9	239.3	246.8	254.3	261.9
24.0	140.8	147.1	153.6	160.1	166.7	173.4	180.2	187.0	193.9	200.9	208.0	215.2	222.4	229.7	237.0	244.4	251.9	259.5
24.4	139.1	145.4	151.8	158.3	164.8	171.5	178.2	185.0	191.9	198.9	205.9	213.0	220.2	227.4	234.7	242.1	249.6	257.1
24.6	137.3	143.6	150.0	156.4	163.0	169.6	176.3	183.0	189.9	196.8	203.8	210.9	218.0	225.2	232.5	239.8	247.2	254.7
24.8	135.7	141.9	148.2	154.6	161.1	167.7	174.3	181.1	187.9	194.8	201.7	208.7	215.8	223.0	230.3	237.6	244.9	252.4
25.0	134.0	140.2	146.5	152.8	159.3	165.8	172.4	179.1	185.9	192.7	199.6	206.6	213.7	220.8	228.0	235.3	242.7	250.1
25.2	132.3	138.5	144.7	151.0	157.5	164.0	170.5	177.2	183.9	190.7	197.6	204.6	211.6	218.7	225.9	233.1	240.4	247.8
25.4	130.7	136.8	143.0	149.3	155.7	162.1	168.7	175.4	182.0	188.7	195.6	202.5	209.5	216.6	223.7	230.9	238.1	245.5
25.6	129.0	135.1	141.3	147.5	153.9	160.3	166.8	173.4	180.0	186.8	193.6	200.5	207.4	214.4	221.5	228.7	235.9	243.2
25.8	127.4	133.5	139.6	145.8	152.1	158.5	165.0	171.5	178.1	184.8	191.6	198.4	205.4	212.4	219.4	226.5	233.7	241.0
26.0	125.8	131.8	137.9	144.1	150.4	156.7	163.2	169.7	176.2	182.9	189.6	196.4	203.3	210.3	217.3	224.4	231.5	238.8
26.2	124.3	130.2	136.3	142.4	148.7	155.0	161.4	167.8	174.4	181.0	187.7	194.5	201.3	208.2	215.2	222.3	229.4	236.6
26.4	122.7	128.6	134.6	140.8	146.9	153.2	159.6	166.0	172.5	179.1	185.8	192.5	199.3	206.2	213.1	220.1	227.2	234.4
26.6	121.2	127.0	133.0	139.1	145.2	151.5	157.8	164.2	170.7	177.2	183.8	190.5	197.3	204.2	211.1	218.1	225.1	232.2
26.8	119.6	125.5	131.4	137.5	143.6	149.8	156.0	162.4	168.8	175.4	182.0	188.6	195.4	202.2	209.0	216.0	223.0	230.1
27.0	118.1	123.9	129.8	135.8	141.9	148.1	154.3	160.6	167.0	173.5	180.1	186.7	193.4	200.2	207.0	213.9	220.9	228.0
27.2	116.6	122.4	128.3	134.2	140.3	146.4	152.6	158.9	165.2	171.7	178.2	184.8	191.5	198.3	205.0	211.9	218.8	225.8
27.4	115.1	120.9	126.7	132.6	138.6	144.7	150.9	157.1	163.5	169.9	176.4	182.9	189.6	196.3	203.0	209.9	216.8	223.8
27.6	113.6	119.4	125.1	131.0	137.0	143.1	149.2	155.4	161.7	168.1	174.5	181.1	187.7	194.3	201.1	207.9	214.7	221.7
27.8	112.2	117.9	123.6	129.5	135.4	141.4	147.5	153.7	160.0	166.3	172.7	179.2	185.8	192.4	199.1	205.9	212.7	219.6
28.0	110.7	116.4	122.1	127.9	133.8	139.8	145.9	152.0	158.2	164.5	170.9	177.4	183.9	190.5	197.2	203.9	210.7	217.6
28.2	109.3	114.9	120.6	126.4	132.2	138.2	144.2	150.3	156.5	162.8	169.1	175.6	182.1	188.6	195.3	202.0	208.7	215.6
28.4	107.9	113.5	119.1	124.9	130.7	136.6	142.6	148.7	154.8	161.1	167.4	173.8	180.2	186.8	193.4	200.0	206.8	213.6
28.6	106.5	112.0	117.6	123.3	129.1	135.0	141.0	147.0	153.2	159.4	165.6	172.0	178.6	184.9	191.5	198.1	204.8	211.6
28.8	105.1	110.6	116.2	121.9	127.6	133.5	139.4	145.4	151.5	157.7	163.9	170.2	176.6	183.1	189.6	196.2	202.9	209.6
29.0	103.7	109.2	114.7	120.4	126.1	131.9	137.8	143.8	149.8	156.0	162.2	168.5	174.8	181.3	187.8	194.3	201.0	207.7
29.2	102.4	107.8	113.3	118.9	124.6	130.4	136.2	142.2	148.2	154.3	160.5	166.7	173.0	179.4	185.9	192.5	199.1	205.7
29.4	101.0	106.4	111.9	117.4	123.1	128.8	134.7	140.6	146.6	152.6	158.8	165.0	171.3	177.7	184.1	190.6	197.2	203.8
29.6	99.7	105.0	110.5	116.0	121.6	127.3	133.1	139.0	145.0	151.0	157.1	163.3	169.5	175.9	182.3	188.8	195.3	201.9
29.8	98.3	103.7	109.1	114.6	120.2	125.8	131.6	137.4	143.4	149.4	155.4	161.6	167.8	174.1	180.5	186.9	193.4	200.0
30.0	97.0	102.3	107.7	113.2	118.7	124.4	130.1	135.9	141.8	147.7	153.8	159.9	166.1	172.4	178.7	185.1	191.6	198.2
30.2	95.7	101.0	106.3	111.8	117.3	122.9	128.6	134.4	140.2	146.1	152.2	158.2	164.4	170.6	177.0	183.3	189.8	196.3
30.4	94.4	99.7	105.0	110.4	115.9	121.4	127.1	132.8	138.7	144.6	150.5	156.6	162.7	168.9	175.2	181.6	188.0	194.4
30.6	93.2	98.4	103.6	109.0	114.4	120.0	125.6	131.3	137.1	143.0	148.9	155.0	161.1	167.2	173.5	179.8	186.2	192.6
30.8	91.9	97.1	102.3	107.6	113.1	118.6	124.2	129.8	135.6	141.4	147.3	153.3	159.4	165.5	171.8	178.0	184.4	190.8
31.0	90.7	95.8	101.0	106.3	111.7	117.1	122.7	128.3	134.1	139.9	145.8	151.7	157.8	163.9	170.0	176.3	182.6	189.0
31.2	89.4	94.5	99.7	104.9	110.3	115.7	121.3	126.9	132.6	138.3	144.2	150.1	156.1	162.2	168.4	174.6	180.9	187.2
31.4	88.2	93.2	98.4	103.6	108.9	114.3	119.8	125.4	131.1	136.8	142.6	148.5	154.5	160.6	166.7	172.9	179.1	185.4
31.6	87.0	92.0	97.1	102.3	107.6	113.0	118.4	124.0	129.6	135.3	141.1	147.0	152.9	158.9	165.0	171.2	177.4	183.7
31.8	85.8	90.7	95.8	101.0	106.2	111.6	117.0	122.5	128.1	133.8	139.6	145.4	151.3	157.3	163.4	169.5	175.7	181.9

TABLE IV. - Continued
 BESSEL FUNCTIONS OF ORDER 54 TO 71

ARG	BESSEL FUNCTION ORDER																		
	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	
32.0	84.6	89.5	94.6	99.7	104.9	110.2	115.6	121.1	126.7	132.3	138.1	143.9	149.7	155.7	161.7	167.8	174.0	180.2	
32.5	81.6	86.5	91.5	96.5	101.7	106.9	112.2	117.6	123.1	128.7	134.3	140.0	145.9	151.7	157.7	163.7	169.8	175.9	
33.0	78.8	83.6	88.4	93.4	98.5	103.6	108.9	114.2	119.6	125.1	130.7	136.3	142.0	147.8	153.7	159.7	165.7	171.8	
33.5	76.0	80.7	85.5	90.4	95.4	100.4	105.6	110.8	116.2	121.6	127.1	132.7	138.3	144.0	149.8	155.7	161.6	167.7	
34.0	73.2	77.9	82.6	87.4	92.3	97.3	102.4	107.6	112.8	118.2	123.6	129.1	134.6	140.3	146.0	151.8	157.7	163.6	
34.5	70.6	75.1	79.8	84.5	89.3	94.2	99.2	104.3	109.5	114.8	120.1	125.6	131.1	136.6	142.3	148.0	153.8	159.7	
35.0	68.0	72.4	77.0	81.6	86.4	91.2	96.2	101.2	106.3	111.5	116.8	122.1	127.5	133.0	138.6	144.3	150.0	155.8	
35.5	65.4	69.8	74.3	78.9	83.5	88.3	93.2	98.1	103.1	108.3	113.5	118.7	124.1	129.5	135.0	140.6	146.3	152.0	
36.0	62.9	67.2	71.7	76.2	80.8	85.4	90.2	95.1	100.1	105.1	110.2	115.4	120.7	126.1	131.5	137.0	142.6	148.3	
36.5	60.5	64.7	69.1	73.5	78.0	82.6	87.3	92.1	97.0	102.0	107.0	112.2	117.4	122.7	128.0	133.5	139.0	144.6	
37.0	58.2	62.3	66.6	70.9	75.4	79.9	84.5	89.2	94.1	99.0	103.9	109.0	114.1	119.4	124.7	130.0	135.5	141.0	
37.5	55.9	59.9	64.1	68.4	72.7	77.2	81.8	86.4	91.2	96.0	100.9	105.9	110.9	116.1	121.3	126.6	132.0	137.5	
38.0	53.6	57.6	61.7	65.9	70.2	74.6	79.1	83.6	88.3	93.1	97.9	102.8	107.8	112.9	118.1	123.3	128.6	134.0	
38.5	51.4	55.3	59.3	63.5	67.7	72.0	76.4	80.9	85.5	90.2	95.0	99.8	104.8	109.8	114.9	120.0	125.3	130.6	
39.0	49.3	53.1	57.1	61.1	65.3	69.5	73.8	78.3	82.8	87.4	92.1	96.9	101.7	106.7	111.7	116.8	122.0	127.2	
39.5	47.2	51.0	54.8	58.8	62.9	67.0	71.3	75.7	80.1	84.7	89.3	94.0	98.8	103.7	108.6	113.7	118.8	123.9	
40.0	45.2	48.9	52.6	56.5	60.5	64.6	68.8	73.1	77.5	82.0	86.5	91.2	95.9	100.7	105.6	110.6	115.6	120.7	
40.5	43.2	46.8	50.5	54.3	58.3	62.3	66.4	70.6	74.9	79.3	83.8	88.4	93.1	97.8	102.6	107.5	112.5	117.6	
41.0	41.3	44.8	48.4	52.2	56.0	60.0	64.0	68.2	72.4	76.8	81.2	85.7	90.3	95.0	99.7	104.5	109.5	114.4	
41.5	39.4	42.9	46.4	50.1	53.9	57.7	61.7	65.8	70.0	74.2	78.6	83.0	87.6	92.2	96.9	101.6	106.5	111.4	
42.0	37.6	41.0	44.4	48.0	51.7	55.5	59.5	63.5	67.6	71.8	76.0	80.4	84.9	89.4	94.0	98.7	103.5	108.4	
42.5	35.8	39.1	42.5	46.0	49.7	53.4	57.2	61.2	65.2	69.3	73.6	77.9	82.3	86.7	91.3	95.9	100.6	105.4	
43.0	34.1	37.3	40.7	44.1	47.7	51.3	55.1	58.9	62.9	67.0	71.1	75.4	79.7	84.1	88.6	93.2	97.8	102.5	
43.5	32.5	35.6	38.8	42.2	45.7	49.3	53.0	56.8	60.7	64.6	68.7	72.9	77.2	81.5	85.9	90.4	95.0	99.7	
44.0	30.8	33.9	37.1	40.4	43.8	47.3	50.9	54.6	58.5	62.4	66.4	70.5	74.7	79.0	83.3	87.8	92.3	96.9	
44.5	29.3	32.2	35.3	38.6	41.9	45.3	48.9	52.5	56.3	60.2	64.1	68.1	72.3	76.5	80.8	85.2	89.6	94.2	
45.0	27.8	30.6	33.7	36.8	40.1	43.4	46.9	50.5	54.2	58.0	61.9	65.8	69.9	74.0	78.3	82.6	87.0	91.5	
45.5	26.3	29.1	32.0	35.1	38.3	41.6	45.0	48.5	52.1	55.8	59.7	63.6	67.6	71.7	75.8	80.1	84.4	88.8	
46.0	24.9	27.6	30.5	33.5	36.6	39.8	43.1	46.6	50.1	53.8	57.5	61.4	65.3	69.3	73.4	77.6	81.9	86.2	
46.5	23.5	26.2	28.9	31.8	34.9	38.0	41.3	44.7	48.2	51.7	55.4	59.2	63.1	67.0	71.1	75.2	79.4	83.7	
47.0	22.2	24.8	27.5	30.3	33.2	36.3	39.5	42.8	46.2	49.7	53.4	57.1	60.9	64.8	68.7	72.8	77.0	81.2	
47.5	20.9	23.4	26.0	28.8	31.7	34.7	37.8	41.0	44.4	47.8	51.3	55.0	58.7	62.6	66.5	70.5	74.6	78.7	
48.0	19.7	22.1	24.6	27.3	30.1	33.0	36.1	39.3	42.5	45.9	49.4	53.0	56.6	60.4	64.3	68.2	72.2	76.3	
48.5	18.6	20.9	23.3	25.9	28.6	31.5	34.5	37.5	40.7	44.1	47.5	51.0	54.6	58.3	62.1	66.0	69.9	74.0	
49.0	17.4	19.7	22.0	24.5	27.2	30.0	32.9	35.9	39.0	42.2	45.6	49.0	52.6	56.2	59.9	63.8	67.7	71.7	
49.5	16.4	18.5	20.8	23.2	25.8	28.5	31.3	34.2	37.3	40.5	43.8	47.1	50.6	54.2	57.9	61.6	65.5	69.4	
50.0	15.4	17.4	19.6	21.9	24.4	27.0	29.8	32.7	35.7	38.8	42.0	45.3	48.7	52.2	55.8	59.5	63.3	67.2	
50.5	14.4	16.3	18.4	20.7	23.1	25.7	28.3	31.1	34.0	37.1	40.2	43.5	46.8	50.3	53.8	57.4	61.2	65.0	
51.0	13.5	15.3	17.4	19.5	21.9	24.3	26.9	29.6	32.5	35.4	38.5	41.7	45.0	48.4	51.8	55.4	59.1	62.8	
51.5	12.6	14.4	16.3	18.4	20.6	23.0	25.5	28.2	31.0	33.9	36.9	40.0	43.2	46.5	49.9	53.4	57.0	60.7	

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

BESSEL FUNCTION ORDER

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
52.0	11.9	13.5	15.3	17.3	19.5	21.8	24.2	26.8	29.5	32.3	35.2	38.3	41.4	44.7	48.0	51.5	55.0	58.7
52.5	11.1	12.6	14.4	16.3	18.3	20.6	22.9	25.4	28.1	30.8	33.7	36.6	39.7	42.9	46.2	49.6	53.0	56.6
53.0	10.4	11.9	13.5	15.3	17.3	19.4	21.7	24.1	26.7	29.3	32.1	35.0	38.1	41.2	44.4	47.7	51.1	54.7
53.5	9.8	11.3	12.7	14.4	16.3	18.3	20.5	22.8	25.3	27.9	30.6	33.5	36.4	39.5	42.7	45.9	49.3	52.7
54.0	9.3	10.5	11.9	13.5	15.3	17.2	19.4	21.6	24.0	26.5	29.2	32.0	34.9	37.8	40.9	44.1	47.4	50.8
54.5	8.8	9.8	11.1	12.7	14.4	16.2	18.3	20.4	22.8	25.2	27.8	30.5	33.3	36.2	39.3	42.4	45.6	49.0
55.0	8.4	9.3	10.5	11.9	13.5	15.3	17.2	19.3	21.5	23.9	26.4	29.1	31.8	34.7	37.6	40.7	43.9	47.1
55.5	7.8	8.4	9.3	10.5	11.9	13.5	15.2	17.2	19.2	21.5	23.8	26.3	28.9	31.7	34.5	37.4	40.5	43.6
56.0	7.6	8.1	8.8	9.9	11.2	12.7	14.3	16.2	18.2	20.3	22.6	25.0	27.5	30.2	33.0	35.8	38.8	41.9
56.5	7.5	7.8	8.4	9.3	10.5	11.9	13.5	15.2	17.1	19.2	21.4	23.7	26.2	28.8	31.5	34.3	37.2	40.2
57.0	7.6	7.6	8.1	8.9	9.9	11.2	12.7	14.3	16.1	18.1	20.3	22.5	24.9	27.4	30.1	32.8	35.7	38.6
57.5	7.7	7.6	7.8	8.5	9.4	10.5	11.9	13.5	15.2	17.1	19.1	21.3	23.7	26.1	28.7	31.3	34.1	37.0
58.0	8.1	7.6	7.7	8.1	8.9	9.9	11.2	12.7	14.3	16.1	18.1	20.2	22.4	24.8	27.3	29.9	32.7	35.5
58.5	8.6	7.8	7.6	7.9	8.5	9.4	10.5	11.9	13.5	15.2	17.1	19.1	21.3	23.6	26.0	28.5	31.2	34.0
59.0	8.6	7.8	7.6	7.7	8.2	8.9	10.0	11.2	12.7	14.3	16.1	18.0	20.1	22.4	24.7	27.2	29.8	32.5
59.5	9.4	8.1	7.6	7.7	7.7	8.5	9.4	10.6	11.9	13.5	15.2	17.0	19.1	21.2	23.5	25.9	28.4	31.1
60.0	10.6	8.6	8.6	7.6	7.7	7.9	8.5	9.4	10.6	11.9	13.5	15.2	17.0	19.0	21.1	23.4	25.8	28.3
60.5	12.6	9.4	8.1	7.6	7.7	8.2	9.0	10.0	11.2	12.7	14.3	16.1	18.0	20.1	22.3	24.6	27.1	29.7
61.0	16.9	10.6	8.6	7.8	7.6	7.9	8.5	9.4	10.6	11.9	13.5	15.2	17.0	19.0	21.1	23.4	25.8	28.3
61.5	-13.3	12.5	9.3	8.1	7.7	7.7	8.2	9.0	10.0	11.2	12.7	14.3	16.1	18.0	20.0	22.2	24.6	27.0
62.0	-13.1	16.4	10.5	8.6	7.8	7.7	8.0	8.6	9.5	10.6	11.9	13.5	15.1	17.0	19.0	21.1	23.3	25.7
62.5	-11.0	-19.2	12.3	9.3	8.1	7.7	7.8	8.2	9.0	10.0	11.2	12.7	14.3	16.0	17.9	20.0	22.2	24.5
63.0	-3.8	-13.4	15.9	10.4	8.6	7.8	7.7	8.0	8.6	9.5	10.6	11.9	13.4	15.1	17.0	18.9	21.0	23.3
63.5	-9.1	-11.2	-20.5	12.2	9.3	8.1	7.7	7.8	8.3	9.0	10.0	11.3	12.7	14.3	16.0	17.9	19.9	22.1
64.0	-8.7	-9.2	-13.7	15.5	10.3	8.6	7.8	7.7	8.0	8.6	9.5	10.6	11.9	13.4	15.1	16.9	18.9	21.0
64.5	-9.1	-8.8	-10.0	-22.1	12.0	9.3	8.1	7.7	7.7	8.0	8.7	9.5	10.6	12.0	13.4	15.1	16.9	18.8
65.0	-9.8	-8.8	-9.2	-14.0	15.2	10.3	8.6	7.9	7.7	8.0	8.7	9.1	10.1	11.3	12.7	14.2	16.0	17.8
65.5	-9.8	-8.8	-10.2	-11.5	-24.7	14.9	9.2	8.1	7.7	7.9	8.3	9.1	10.1	11.3	12.7	14.2	16.0	17.8
66.0	-11.1	-9.0	-8.8	-10.1	-14.4	14.9	10.2	8.5	7.9	7.8	8.1	8.7	9.6	10.7	12.0	13.4	15.1	16.9
66.5	-13.6	-9.7	-8.8	-9.3	-11.7	-31.6	11.8	9.2	8.1	7.8	7.9	8.3	9.1	10.1	11.3	12.7	14.2	16.0
67.0	-13.0	-10.9	-9.0	-8.9	-10.3	-14.7	14.6	10.2	8.5	7.9	7.8	8.1	8.7	9.6	10.7	12.0	13.4	15.1
67.5	15.2	-13.1	-9.6	-8.8	-9.4	-11.9	27.2	11.7	9.2	8.1	7.8	7.9	8.4	9.1	10.1	11.3	12.7	14.2
68.0	11.9	-13.1	-9.0	-9.0	-8.9	-10.4	15.1	14.3	10.1	8.5	7.9	7.8	8.1	8.7	9.6	10.7	12.0	13.4
68.5	10.4	16.1	-12.8	-9.5	-8.8	-9.5	12.0	23.5	11.6	9.2	8.1	7.8	7.9	8.4	9.1	10.1	11.3	12.7
69.0	9.5	12.3	-17.6	-10.6	-9.0	-9.0	12.0	-15.5	14.1	10.1	8.5	7.9	7.8	8.1	8.8	9.6	10.7	12.0
69.5	9.2	10.6	17.1	-12.4	-9.5	-8.8	-9.6	-12.3	21.6	11.5	9.1	8.1	7.8	8.0	8.4	9.2	10.1	11.3
70.0	9.9	9.6	12.7	-16.5	-10.2	-9.0	-9.1	-10.7	16.0	13.9	10.0	8.5	7.9	7.9	8.2	8.8	9.6	10.7
70.5	9.9	9.3	10.8	18.5	-12.5	-9.4	-8.9	-9.7	-12.5	20.4	11.4	8.5	7.9	7.8	8.0	8.5	9.2	10.2
71.0	11.2	9.3	9.8	13.1	-15.7	-10.3	-8.9	-9.1	-10.8	-16.4	13.7	10.0	8.5	7.9	7.9	8.2	8.8	9.7
71.5	13.6	9.3	9.3	11.0	20.4	-11.9	-9.4	-8.9	-9.8	-12.7	19.4	11.3	9.1	8.2	7.9	8.0	8.5	9.2

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

ARG	BESSEL FUNCTION ORDER																	
	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
72.0	22.2	10.9	9.3	9.9	13.6	-15.1	+10.2	+8.9	-9.2	-10.9	+17.0	13.5	10.0	8.5	8.0	7.9	8.0	8.8
72.5	-15.0	13.1	9.7	9.4	11.3	23.7	+11.7	+9.3	-8.9	+9.9	+13.0	18.6	11.2	9.1	8.2	7.9	8.0	8.5
73.0	-11.8	18.9	10.1	9.3	10.1	14.1	-14.5	-10.1	-8.9	-9.2	+11.1	-17.5	13.3	9.9	8.5	8.0	7.9	8.2
73.5	-10.4	-16.1	12.6	9.6	9.4	11.5	+33.2	-11.5	-9.3	+8.9	-10.0	-13.2	18.0	11.2	9.1	8.5	8.0	7.9
74.0	-9.5	-12.3	17.1	10.5	9.6	10.2	14.6	-14.0	-10.0	+9.0	+9.3	-11.2	18.2	13.2	11.1	9.1	8.2	7.9
74.5	-9.9	-9.8	-12.8	12.2	10.3	9.5	10.4	-22.9	-11.3	-9.3	+9.0	-10.1	+13.4	17.4	13.0	9.1	8.2	8.0
75.0	-13.2	-9.6	-10.9	15.8	11.8	9.5	9.6	15.3	-13.6	-9.9	+9.0	+9.4	+11.4	-18.9	13.0	9.9	8.5	8.0
75.5	-19.5	-10.7	-9.6	-13.3	14.9	10.2	9.3	10.6	-20.2	-11.1	+9.2	-9.0	-19.2	+19.8	17.0	12.9	9.8	8.5
76.0	15.7	-12.6	-9.8	-10.1	-14.0	14.2	10.1	9.4	10.7	16.9	+12.9	-9.8	-9.0	-11.5	13.9	16.6	11.0	9.0
76.5	12.6	-17.4	-10.5	-9.6	-11.5	26.5	11.3	9.5	12.0	12.8	+17.4	-10.8	-9.2	-10.3	13.7	12.9	9.8	8.5
77.0	10.1	17.1	-12.1	-9.7	-10.2	-14.7	13.6	10.0	9.4	10.9	+18.0	-12.6	-9.7	-9.0	+9.6	16.6	11.0	9.0
77.5	9.9	12.7	-15.6	-10.3	-9.7	-11.8	20.7	11.0	9.4	10.0	13.1	-16.5	+10.7	-9.2	-10.4	12.9	12.8	9.8
78.0	9.8	10.9	20.1	-11.7	-10.4	-10.4	-12.2	13.1	9.9	9.5	11.2	19.4	-12.4	-9.7	-9.0	-9.7	-12.0	10.9
78.5	10.4	10.0	13.4	-14.5	-10.2	-9.8	-10.6	18.3	10.8	9.4	10.1	13.6	-15.8	-10.6	-10.4	-20.8	-14.5	10.9
79.0	11.7	9.8	11.2	27.8	-11.3	9.7	-10.6	-16.8	12.7	9.8	9.5	11.4	21.4	-21.2	-9.6	14.2	12.2	12.6
80.0	14.6	10.2	10.2	14.2	-13.7	-10.0	-9.9	-12.7	16.9	10.7	9.4	10.2	14.0	-15.2	-10.5	-9.2	-9.7	15.9
80.5	25.3	11.3	9.8	11.6	-22.0	-11.0	-9.7	-10.9	18.3	12.3	9.7	9.6	11.6	25.1	-11.9	-9.6	-9.1	10.7
81.0	-14.0	13.6	10.1	10.4	15.2	-13.1	-9.9	-10.7	-13.1	15.8	10.5	9.4	10.4	14.5	-14.7	-10.4	-9.1	9.3
81.5	-11.5	21.7	11.0	9.9	12.0	-18.5	-12.8	-9.7	-11.1	-13.7	12.0	9.7	9.7	11.9	-30.0	-14.3	-9.5	9.1
82.0	-10.3	-15.1	12.9	10.0	10.6	16.5	-12.6	-9.9	-10.1	-13.0	15.0	10.4	9.5	10.5	15.0	-14.0	-10.3	9.5
82.5	-10.3	-10.6	-16.7	12.3	9.9	10.8	18.3	-12.1	-9.8	-10.3	-14.3	14.3	10.2	9.5	10.7	-23.0	-13.9	9.5
83.0	-11.3	-10.0	-12.6	16.0	10.5	10.1	13.1	-15.4	-10.4	+9.8	-11.7	25.1	11.4	9.6	9.9	12.4	-20.5	10.2
83.5	-13.6	-10.1	-10.9	-13.3	11.8	9.9	11.1	21.5	-11.7	-9.8	-10.5	-15.1	13.8	10.1	9.5	10.0	16.3	13.6
84.0	-21.3	-12.8	-10.1	-13.3	14.7	10.3	10.2	13.8	-14.5	-10.3	-9.9	-12.1	20.6	11.2	9.6	10.0	12.7	19.0
84.5	15.2	-12.8	-10.7	-11.2	-25.7	11.4	9.9	11.5	33.6	-13.8	-10.2	-9.9	16.0	13.3	10.0	9.6	11.0	17.1
85.0	12.0	-17.5	-12.1	-10.3	-14.1	13.8	10.2	10.4	14.6	-13.8	-10.2	-9.9	12.5	18.5	12.9	10.0	9.6	13.0
85.5	10.7	-17.1	-12.1	-10.1	-11.6	22.0	11.1	9.9	11.9	-21.1	+11.2	-9.8	10.9	-17.1	17.1	10.9	9.6	11.2
86.0	10.2	12.7	-15.5	-10.5	-10.5	-15.3	13.1	10.1	10.6	15.6	-18.3	-10.1	10.0	-12.9	18.1	12.5	9.9	9.7
86.5	10.4	11.0	20.5	-11.6	-10.1	-12.1	18.2	10.8	10.0	12.3	-18.3	-10.9	9.8	-11.1	13.5	16.1	10.7	9.6
87.0	11.3	-10.3	-14.2	-10.3	-10.3	-10.7	-16.8	12.5	10.0	10.8	16.9	-12.7	10.0	-10.2	13.3	16.1	10.6	9.6
87.5	13.6	10.3	11.4	-28.4	-11.2	-10.1	-12.7	16.3	10.6	10.1	12.8	-16.7	10.7	-9.8	11.3	15.1	15.3	9.8
88.0	21.2	-12.0	10.4	-11.8	-13.3	-10.2	-11.0	-19.1	12.0	10.0	11.0	18.8	15.3	13.4	10.3	-20.9	15.2	10.6
88.5	9.0	17.2	10.7	10.6	-19.4	-10.9	-10.2	-13.3	15.0	10.5	10.2	13.4	-15.5	-10.6	9.9	13.9	12.3	10.6
89.0	-12.1	-17.4	-10.7	10.2	16.0	-12.6	10.1	-11.3	-24.2	11.6	10.0	11.3	22.1	-11.9	9.9	10.5	14.5	17.6
89.5	-10.7	-17.4	12.1	10.2	12.4	-16.7	-10.7	-10.4	14.2	14.1	10.3	10.3	14.0	-14.6	10.4	9.9	11.9	14.6
90.0	-10.3	-12.8	15.2	10.5	10.9	18.3	-12.1	-10.1	-11.7	23.4	11.3	10.0	11.7	-31.8	11.6	9.9	10.6	15.1
91.0	-10.6	-11.1	-21.8	11.6	10.3	13.1	-15.1	-10.5	-10.5	-15.2	13.3	10.2	10.5	14.8	13.9	10.3	10.0	10.2

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
92.0	-11.7	-10.4	-13.8	14.0	10.4	11.2	22.9	-11.6	10.2	-12.1	18.9	11.0	10.1	12.0	21.3	11.3	19.9	10.8
93.0	-36.1	-11.3	-10.5	-15.0	13.0	10.3	11.6	-23.4	-11.5	-10.2	-12.7	16.8	10.8	10.1	12.4	-18.6	-11.1	19.9
94.0	11.3	-19.0	-10.8	-10.8	-16.8	12.3	10.3	23.1	-18.5	-10.0	10.3	-13.3	15.3	10.6	10.2	18.9	-17.0	10.9
95.0	10.5	12.5	-16.1	-10.7	-11.1	-20.1	11.8	10.3	12.7	-16.4	-10.7	-10.4	-14.0	14.5	13.7	10.4	13.5	15.8
96.0	12.5	10.5	13.3	-14.5	-10.5	-11.5	30.8	19.5	10.4	13.4	14.3	-10.6	-10.6	-14.9	16.1	10.5	10.5	14.1
97.0	-18.9	11.8	10.3	14.5	-13.4	-10.4	11.9	19.5	11.1	10.5	10.7	-14.0	-10.4	10.8	16.1	13.1	10.3	10.6
98.0	-11.4	37.8	11.3	10.8	16.2	-12.6	-10.4	-12.5	16.7	10.8	10.7	15.5	-13.2	-10.4	11.0	-17.7	12.6	10.2
99.0	-10.7	-11.9	18.9	11.0	11.1	19.0	-12.0	-10.5	-13.3	15.1	10.6	10.9	17.1	-12.6	10.3	-11.3	20.3	12.2
100.0	-13.9	-10.6	-12.6	16.0	10.8	11.4	29.7	-11.5	-10.6	-14.3	-15.5	10.5	11.2	19.7	12.1	-11.8	-10.3	12.0
101.0	15.2	-12.8	-10.6	-13.5	14.3	10.6	11.9	-19.9	-11.2	-10.8	-15.8	13.2	10.4	11.6	26.7	10.3	10.3	12.0
102.0	11.0	17.7	-12.1	-10.7	-14.8	-16.8	10.6	12.5	16.8	-10.9	-11.0	-17.3	12.5	10.4	12.0	22.5	-11.4	-10.2
103.0	11.2	11.3	24.7	-11.5	-10.9	13.2	12.5	10.6	13.3	-15.1	10.7	-11.3	-20.6	12.0	10.4	-18.4	-11.4	-10.2
104.0	17.1	10.9	11.8	-20.0	-11.2	-11.2	20.4	11.9	10.7	14.3	-13.9	-10.6	-11.7	31.0	11.6	10.5	13.0	11.6
105.0	-13.1	14.8	10.8	12.5	-16.4	-10.9	11.6	25.5	11.4	10.9	15.8	-13.0	-10.6	-12.1	19.9	17.2	11.0	10.7
106.0	-10.3	-14.4	13.4	10.7	13.4	14.7	-10.8	-12.2	18.4	11.1	11.1	17.9	12.4	-10.6	12.7	13.4	15.5	10.9
107.0	-12.3	-10.2	-16.3	12.5	10.8	14.7	-13.4	-10.7	-12.9	15.9	10.9	11.4	-22.3	-11.9	10.6	-13.4	15.0	10.9
108.0	22.6	-11.6	-11.2	-20.2	11.9	11.0	16.6	-12.6	-10.7	-13.8	14.4	10.8	11.9	-23.6	11.5	-10.7	-14.3	14.4
109.0	11.8	-20.3	-11.2	-11.7	23.8	11.4	11.3	20.3	-11.9	-10.9	-15.1	13.4	10.7	12.4	18.4	-11.2	-10.9	-15.4
110.0	11.0	12.5	-15.3	-11.0	-12.3	17.6	11.1	11.7	25.3	-11.5	-11.1	-17.0	12.6	10.7	13.0	-16.2	-11.0	11.1
111.0	14.4	10.9	13.6	-14.4	-10.9	-13.1	15.2	10.9	12.3	-18.2	11.2	-11.4	-20.4	12.1	10.8	13.9	-14.8	10.8
112.0	-14.9	13.1	11.0	15.1	-13.1	-10.9	-14.3	13.8	10.8	13.0	-15.8	-11.0	11.8	27.7	11.6	10.9	15.0	13.8
113.0	-11.1	-17.6	12.2	11.1	17.5	-12.3	11.0	-16.0	12.9	10.9	14.0	-14.3	-10.8	-12.3	13.1	11.3	11.1	16.5
114.0	-11.8	-11.5	-26.0	11.6	11.5	24.2	-11.7	-11.3	-19.0	12.2	11.0	15.4	-13.3	-10.8	13.0	16.5	11.1	11.4
115.0	-21.3	-11.4	-12.0	19.1	11.3	12.0	-20.0	-11.3	-11.7	39.7	11.7	11.3	17.6	-12.5	13.8	14.9	14.9	13.8
116.0	12.3	16.4	-11.1	-12.8	15.8	11.1	12.7	-16.4	-11.1	-12.2	-12.9	11.0	11.5	12.0	12.0	-11.0	-11.0	16.5
117.0	11.1	-13.6	-14.3	-11.0	-14.0	14.1	11.0	13.7	-14.5	-13.3	19.0	16.1	11.1	12.0	22.9	11.6	-11.1	11.4
118.0	13.7	11.1	15.2	-13.1	-11.1	-15.7	13.0	11.1	15.2	-13.3	-11.0	-13.9	-11.1	11.0	12.6	17.3	-11.1	11.4
119.0	-16.2	-16.2	11.3	18.1	-12.2	-11.7	-11.7	31.8	11.7	17.5	12.5	-11.1	15.3	13.4	10.9	15.7	15.7	11.1
120.0	-11.4	-20.9	11.9	11.7	33.3	-11.7	-11.7	11.7	11.7	11.6	22.9	-11.9	-11.3	-17.5	12.6	14.3	14.3	11.1
121.0	-11.9	-11.9	21.2	11.5	12.2	-18.5	-11.3	-12.3	18.4	11.3	12.1	-21.2	-11.5	-11.6	-22.1	12.1	11.1	15.7
122.0	-19.5	-11.4	-12.6	16.4	11.2	13.1	15.5	-11.1	-13.1	15.6	11.1	12.7	17.0	-11.2	12.0	22.7	11.6	11.4
123.0	12.9	-15.7	-11.2	-13.7	14.4	11.1	14.3	-13.9	-11.1	-14.3	14.1	11.1	13.6	-15.0	11.1	-11.0	17.8	15.6
124.0	11.2	14.1	-13.9	-11.2	-15.4	13.1	11.2	16.2	-12.9	-11.2	-16.0	13.0	11.1	14.9	13.7	11.0	13.4	15.6
125.0	13.8	11.3	16.2	-12.7	-11.4	-18.6	12.3	11.5	20.1	-12.1	11.5	-19.2	12.3	11.3	16.8	12.9	14.5	14.5
126.0	-16.4	12.7	11.5	20.8	-21.0	-11.6	30.5	11.7	11.9	-23.9	-11.7	-11.9	30.5	11.8	11.6	20.6	11.2	11.8
127.0	-11.6	-21.7	11.9	12.0	-21.4	-11.6	-12.4	18.1	11.4	12.6	-17.5	-15.2	12.4	18.7	11.5	12.0	22.1	18.3
128.0	-12.0	-12.1	20.2	11.5	12.7	-15.5	11.3	-13.3	15.4	11.2	13.5	-15.2	-11.2	-13.2	15.9	11.3	12.6	18.3
129.0	-20.9	-11.5	-12.9	16.0	11.3	13.9	-14.4	-11.3	-14.6	13.8	11.2	14.8	-13.8	-11.2	14.3	15.3	13.4	13.4
130.0	12.8	14.1	-11.3	-14.1	14.0	11.3	15.6	-13.2	-11.4	-16.7	12.8	11.4	16.9	-12.8	11.3	-11.0	13.0	11.2
131.0	11.1	14.1	-14.0	-11.4	-16.2	12.9	11.5	18.8	-12.3	-11.7	-21.3	12.1	11.7	-21.3	12.2	-11.5	13.7	12.5

TABLE IV. - Continued

BESSEL FUNCTIONS OF ORDER 54 TO 71

BESSEL FUNCTION ORDER

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
132.0	14.4	11.4	16.2	-12.8	-11.6	-20.6	12.1	11.9	-27.7	-11.8	-12.1	21.8	11.7	12.1	-22.5	-11.7	-11.9	-28.8
133.0	-15.6	13.0	11.6	20.9	-12.1	-12.1	21.7	11.7	12.5	-17.9	-11.5	-12.8	17.0	11.4	12.8	-17.4	-11.5	-12.0
134.0	-11.6	-19.5	12.2	12.1	-21.0	-11.6	-12.8	16.6	11.4	13.5	-15.3	-11.3	-13.8	14.9	11.3	13.7	-15.2	-11.3
135.0	-12.4	-12.0	22.4	11.7	12.9	-16.3	-11.4	-13.9	15.5	11.4	11.5	-13.8	-11.4	-15.3	13.6	11.3	15.0	-13.9
136.0	-38.1	-11.8	-12.8	16.6	11.5	14.1	-14.2	-11.4	-15.7	13.2	11.5	17.1	-12.8	-11.5	17.8	12.7	11.5	17.1
137.0	12.5	-17.6	-11.5	-14.0	14.3	11.5	16.1	-13.0	-11.6	-19.0	12.4	11.8	12.0	-12.1	-11.7	-12.4	12.1	11.8
138.0	11.7	13.6	-14.8	-11.5	-15.9	13.0	11.7	20.2	-12.3	-12.0	26.9	11.9	12.3	-20.8	-11.9	-12.4	20.3	11.7
139.0	15.8	11.5	15.3	-13.3	-11.7	-20.1	12.2	12.1	-22.3	-11.8	-12.6	17.8	11.6	13.0	-11.5	-11.5	-13.1	16.6
140.0	-14.4	13.8	11.6	18.8	-12.4	-12.1	22.0	11.8	12.9	-16.8	-11.5	-13.6	15.2	11.4	-14.1	-14.7	-11.4	14.2
141.0	-11.6	-17.0	12.7	12.0	-24.8	-11.8	-12.9	16.6	11.5	14.0	-14.6	-11.5	-15.0	13.8	11.5	-15.7	-11.5	-11.4
142.0	-13.2	-11.9	-25.7	12.0	12.7	-17.1	-11.6	-14.1	14.5	11.5	15.7	-13.3	-11.6	-17.5	11.7	11.7	-11.6	-12.6
143.0	19.3	-12.3	-12.4	18.5	11.7	13.9	-14.6	-11.6	-16.0	13.2	11.7	19.0	-12.5	-11.9	-23.8	-11.5	-14.3	31.5
144.0	12.1	-22.2	-11.8	-13.4	15.2	-11.6	15.7	-13.3	-11.7	-19.8	12.4	12.1	-26.9	-12.0	20.2	-13.2	-11.8	12.6
145.0	12.1	12.9	-16.4	-11.6	-15.1	13.6	11.7	19.4	12.4	-12.2	23.2	11.9	12.7	-17.9	11.7	16.4	11.8	11.6
146.0	18.9	11.7	14.2	-14.2	-11.7	-18.1	12.6	12.2	-23.6	-11.9	-12.9	17.1	11.6	13.7	-11.5	-14.3	-14.3	14.6
147.0	-13.4	15.3	11.7	16.5	-12.9	-12.0	30.5	12.0	12.9	-17.1	-11.6	-14.0	14.8	11.6	15.2	-17.7	-11.6	10.1
148.0	-11.7	-15.1	13.5	11.9	22.6	-12.2	-12.7	17.7	11.7	14.0	-14.7	-11.6	-15.7	13.5	11.7	17.0	-11.6	-11.8
149.0	15.9	-11.7	-18.4	12.5	12.4	-19.5	-11.8	-13.8	15.0	11.6	15.8	-11.8	-11.8	-19.0	12.0	24.8	-11.8	13.2
150.0	15.9	-14.6	-12.1	25.5	12.0	13.3	-15.7	-11.7	-15.5	13.5	11.8	19.4	-24.5	-12.2	12.1	12.1	24.8	13.4
151.0	11.9	20.8	-12.3	-12.8	17.1	14.5	14.8	-13.9	-11.8	-18.8	12.6	12.2	-24.5	-12.0	18.0	11.7	11.7	13.4
152.0	12.9	12.3	-20.3	-11.9	-14.0	14.5	11.8	17.5	-12.8	-12.2	26.1	12.0	-24.5	-12.9	-12.8	18.0	11.7	13.4
153.0	-24.5	12.1	13.2	-15.8	-11.7	-16.1	13.2	12.1	28.1	-12.1	-12.9	17.5	11.8	14.0	-13.8	-11.7	-11.8	13.9
154.0	-12.6	18.4	11.8	14.8	-13.9	-11.9	-20.8	12.4	12.7	18.4	-11.8	-13.9	15.0	11.7	15.7	-13.6	-11.8	-17.8
155.0	-12.1	-13.6	15.1	11.8	17.6	-12.8	-12.4	20.8	11.9	13.7	-15.3	-11.7	-15.7	-19.0	12.7	-18.8	-11.8	-12.1
156.0	-17.4	-11.8	-15.5	13.4	12.1	34.6	-12.1	-13.2	16.2	11.8	15.3	-13.7	11.9	-19.0	12.7	12.2	-12.7	-12.2
157.0	13.9	-14.6	-11.9	-19.4	12.5	12.0	17.8	-11.8	-14.6	14.2	11.8	18.3	-33.5	-12.3	26.6	12.1	12.9	-13.2
158.0	11.8	16.1	-13.1	-12.3	22.2	12.0	13.9	-15.0	-11.8	-17.0	13.0	12.2	12.8	-18.1	17.8	11.8	11.8	13.8
159.0	14.3	12.0	21.6	-12.3	-13.1	16.4	11.8	15.7	-13.5	-12.1	-24.0	12.3	12.8	-18.1	-14.0	15.2	11.8	13.8
160.0	-16.6	13.0	12.5	-19.6	-11.9	-14.5	14.2	11.9	19.6	-12.6	-12.6	19.3	-15.3	11.9	-13.8	15.6	-11.9	-18.6
161.0	-24.3	12.2	12.2	13.5	-15.6	-11.9	-17.0	13.0	12.4	-22.7	-12.1	-13.6	15.7	11.8	-13.0	-13.8	-11.9	-18.6
162.0	-12.9	-12.7	18.4	11.9	15.1	-13.8	12.1	-24.7	12.3	13.1	-16.7	-11.9	-15.1	14.0	11.9	18.5	-12.8	-12.3
163.0	27.7	-12.2	-13.7	15.1	11.9	18.4	-12.7	12.7	18.8	11.9	14.4	-14.5	-11.9	-17.8	12.9	12.3	12.9	-18.2
164.0	12.8	-17.8	-11.9	-15.7	13.4	12.3	-25.7	-12.1	-13.7	15.4	11.9	16.6	-13.2	-12.5	28.0	12.3	12.9	-18.2
165.0	12.0	14.0	14.8	-12.0	-19.9	12.5	13.0	-17.1	11.9	-15.4	13.7	12.8	13.2	-12.5	12.0	12.3	12.9	13.9
166.0	17.5	12.0	16.1	-13.3	-12.5	21.3	12.1	14.3	-11.9	-15.4	-18.7	12.8	12.6	-20.4	-13.8	15.6	15.6	11.9
167.0	-14.1	14.6	12.1	21.6	-12.4	-13.3	16.2	11.9	16.5	-13.3	-12.5	25.9	12.2	13.5	-14.9	-14.0	15.0	14.0
168.0	-16.4	-16.4	13.2	12.6	-19.7	-12.0	-14.8	14.1	12.1	22.0	-12.5	-13.1	17.4	11.9	17.3	-14.0	15.0	-12.3
169.0	-14.6	-12.1	-23.0	12.4	13.6	-15.6	-12.0	-17.6	12.9	-12.6	20.0	-12.1	-14.2	14.9	17.3	13.1	13.1	-12.3
170.0	16.5	-13.1	-12.7	18.8	12.0	15.3	-13.8	-12.3	-32.7	12.3	13.5	-15.9	-12.0	-16.2	12.0	24.4	13.1	-12.3
171.0	23.8	-23.8	-12.4	-13.8	15.3	12.1	18.8	-12.8	-12.9	17.9	12.0	15.1	-14.1	-12.1	-20.6	12.6	12.8	-12.3

TABLE IV. — Concluded

BESSEL FUNCTIONS OF ORDER 54 TO 71

BESSEL FUNCTION ORDER

ARG	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
172.0	13.2	12.8	-18.5	-12.1	-15.7	13.6	12.4	-24.0	-12.2	-14.1	15.0	12.0	18.0	-13.0	-12.6	21.8	12.2	13.7
173.0	-23.6	12.4	13.9	-15.1	-12.1	-19.9	12.6	13.2	-16.8	-12.0	-16.0	13.5	12.3	36.4	-12.4	-13.4	16.7	12.0
174.0	-12.8	18.5	12.1	15.9	-13.5	-12.5	21.3	12.2	14.5	-14.5	-12.1	20.3	12.7	13.0	18.1	-12.1	-14.7	14.6
175.0	-12.4	-13.9	15.0	12.2	20.8	-12.6	-13.4	16.2	12.1	17.0	-13.2	-12.6	21.6	12.0	-14.1	-15.3	-14.0	16.9
176.0	-18.7	-12.1	-16.0	13.4	12.6	-20.2	-12.2	-15.0	14.1	12.3	24.4	-12.5	-13.4	18.5	12.0	-15.9	-13.7	12.3
177.0	13.9	-15.1	-12.2	-21.3	12.6	13.6	-15.8	-12.1	-17.9	13.0	12.8	-18.9	-12.1	-14.8	14.4	12.2	19.5	12.8
178.0	12.2	16.0	-13.5	-12.7	19.7	12.2	15.3	-13.9	-12.4	31.3	12.4	13.9	-15.5	-12.1	-17.3	12.2	12.6	-23.8
179.0	-15.8	13.5	12.7	-19.6	-12.2	-15.5	12.2	18.8	-12.8	-13.1	17.6	12.1	15.6	-13.8	-12.3	-23.3	12.5	13.3
180.0	-12.2	-20.7	12.6	13.7	-12.2	-12.2	13.8	12.5	-24.0	-12.3	-14.3	14.9	12.2	19.2	-12.9	-12.9	19.0	12.2
181.0	-13.7	-12.7	20.0	12.2	15.6	-13.7	-12.6	22.1	12.3	-16.8	12.1	-16.4	13.5	12.6	-12.3	-17.3	13.9	15.7
182.0	13.7	-12.7	-13.7	15.6	12.2	19.8	-12.7	-13.4	16.4	12.2	17.2	-13.2	-12.8	20.2	12.2	-17.1	-14.8	12.2
183.0	12.6	13.6	-15.8	-12.3	-13.7	12.6	21.3	-12.3	-15.0	14.2	12.4	26.1	-12.5	-13.7	16.0	12.1	16.8	-13.4
184.0	12.8	22.3	15.4	-13.8	-12.7	12.8	13.5	-16.1	-12.2	-17.9	13.1	13.0	-18.5	-12.2	-15.3	12.1	12.3	22.5
185.0	-13.5	16.2	12.3	19.4	-12.8	-13.6	16.1	12.2	18.5	-13.0	-13.2	12.4	14.1	-15.3	-12.2	-18.3	13.1	12.9
186.0	-12.4	-15.1	14.0	12.7	-21.6	-12.3	-15.3	-14.0	12.6	-25.4	-12.4	-14.4	14.9	12.3	20.2	-12.8	30.1	12.5
187.0	-16.7	-12.3	-18.8	-12.9	13.6	-16.1	-12.3	-18.7	13.0	13.3	-17.1	-12.2	-16.7	13.5	12.7	-21.9	-12.4	17.9
188.0	14.8	18.1	-12.6	22.7	12.4	15.2	-14.1	-12.6	23.9	12.4	14.7	-14.6	12.4	-22.6	12.7	-13.6	-16.6	-14.4
189.0	12.3	18.1	-13.0	-13.5	-15.1	12.3	18.8	-13.0	-13.4	16.8	12.3	17.2	-13.3	-12.9	19.7	12.3	15.0	17.6
190.0	14.6	12.6	-25.2	-12.4	-15.1	14.2	12.6	-23.6	-12.4	-14.9	14.5	12.5	26.2	-12.6	-13.9	15.8	12.3	14.5
191.0	-17.2	13.2	13.4	-16.7	-12.3	-18.5	13.0	13.4	-16.7	-12.3	-17.7	13.2	13.1	-18.5	-12.3	-15.6	14.1	12.5
192.0	-13.4	-39.7	12.5	14.9	-14.3	-12.6	24.2	12.4	14.9	-14.4	-12.5	-35.4	12.6	14.2	15.3	-12.3	19.1	13.0
193.0	13.0	-13.2	17.3	12.3	18.0	-13.1	-13.4	16.8	12.3	17.9	-13.2	-13.2	17.9	12.3	16.2	-13.8	-12.7	24.7
194.0	24.0	-12.6	-14.5	-17.4	12.6	-26.3	-12.5	-14.9	14.4	12.6	-30.4	-12.5	-14.4	15.0	12.4	-20.7	-12.9	13.4
195.0	13.0	14.3	-12.4	-12.6	37.4	12.6	14.8	-12.3	-12.6	29.1	12.5	-17.5	-14.8	-13.5	13.6	12.9	-21.2	-16.4
196.0	12.8	12.4	16.8	-13.4	-12.6	17.4	12.4	17.8	-13.2	-13.3	17.4	12.4	17.0	-12.5	-22.6	12.8	13.7	-16.4
197.0	-14.0	15.4	12.5	25.6	-12.6	-14.6	14.7	12.6	-31.3	-12.6	-14.7	14.8	12.5	24.7	-12.7	-14.0	15.8	12.4
198.0	-12.5	-16.1	13.7	13.1	-18.1	-12.4	-12.6	13.3	13.3	-17.5	-12.4	-17.2	-13.4	13.1	18.8	-14.0	12.8	14.1
199.0	15.4	-12.5	-22.0	12.8	14.4	-14.9	-12.6	-32.6	12.6	14.7	-14.8	-12.6	26.6	12.7	-14.2	-15.5	-12.8	13.5
200.0	15.4	-14.0	-13.0	19.1	12.4	16.9	-13.4	-13.3	17.7	12.4	17.3	-13.4	13.2	18.4	12.4	16.2	-13.9	12.8
201.0	12.5	19.7	-12.9	-14.1	15.3	12.6	25.9	-12.7	-14.6	14.9	12.6	27.5	-18.2	-14.4	15.3	12.3	20.7	13.0
202.0	14.4	12.9	-20.8	-12.5	-16.4	13.6	13.2	-18.2	-12.4	-17.1	13.4	13.2	-18.2	-12.4	-15.5	13.7	12.9	13.8
203.0	-18.1	13.1	13.8	-15.8	-12.5	-22.7	-12.8	14.4	-12.6	-17.6	-26.5	12.7	14.4	-15.2	-12.5	-22.0	12.9	13.8
204.0	-12.7	24.4	12.6	15.8	-13.9	-13.1	18.9	12.5	16.9	-13.5	-13.2	18.3	12.5	16.7	-13.7	-13.0	20.0	12.5
205.0	-13.4	-13.6	16.6	12.5	20.6	-12.9	-14.2	-15.3	12.6	24.7	-12.8	-14.4	15.2	12.6	22.9	-12.9	18.0	16.0
206.0	27.7	-12.7	-15.2	14.2	13.0	-20.2	15.3	-15.5	13.7	-18.6	-18.6	-12.5	16.7	13.7	13.1	-19.5	15.5	15.8
207.0	13.3	-17.6	-12.5	-19.0	13.1	14.0	-15.7	-12.6	-22.8	12.8	14.4	-15.3	-12.6	-23.2	12.8	-14.2	-15.7	22.5
208.0	12.9	14.7	-14.7	-12.8	22.4	12.6	-13.9	-13.9	-13.1	19.1	12.5	16.6	-13.7	-13.2	-19.2	12.5	16.1	-14.0

TABLE V. — Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

		BESSEL FUNCTION ORDER																	
ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	
4.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.7	770.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.8	764.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
4.9	758.0	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.0	751.7	766.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.1	745.5	760.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.2	739.5	754.0	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.3	733.6	747.9	762.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.4	727.7	742.0	756.4	770.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.5	722.0	736.2	750.5	764.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.6	716.4	730.5	744.8	759.0	767.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.7	710.9	724.9	739.1	753.3	767.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.8	705.4	719.4	733.5	747.6	761.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
5.9	700.1	714.0	728.0	742.1	756.2	770.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.0	694.9	708.7	722.6	736.6	750.7	764.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.1	689.7	703.5	717.4	731.3	745.2	759.2	768.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.2	684.7	698.4	712.1	726.0	739.9	753.8	767.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.3	679.7	693.3	707.0	720.8	734.6	748.5	762.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.4	674.8	688.3	702.0	715.7	729.4	743.2	757.1	770.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.5	669.9	683.4	697.0	710.6	724.3	738.1	751.9	765.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.6	665.2	678.6	692.1	705.7	719.3	733.0	746.7	760.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.7	660.5	673.9	687.3	700.8	714.4	728.0	741.6	755.3	769.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.8	655.9	669.2	682.6	696.0	709.5	723.0	736.6	750.3	764.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
6.9	651.3	664.6	677.9	691.3	704.7	718.2	731.7	745.3	758.9	768.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.0	646.9	660.1	673.3	686.6	700.0	713.4	726.8	740.4	754.0	767.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.1	642.5	655.6	668.8	682.0	695.3	708.6	722.1	735.5	749.0	762.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.2	638.1	651.2	664.3	677.5	690.7	704.0	717.3	730.7	744.2	757.7	770.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.3	633.8	646.8	659.9	673.0	686.2	699.4	712.7	726.0	739.4	752.9	766.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.4	629.6	642.5	655.5	668.6	681.7	694.9	708.1	721.4	734.7	748.1	761.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
7.5	625.4	638.3	651.2	664.2	677.3	690.4	703.6	716.8	730.1	743.4	756.8	770.2	999.9	999.9	999.9	999.9	999.9	999.9	
7.6	621.3	634.1	647.0	659.9	672.9	686.0	699.1	712.3	725.5	738.8	752.1	765.5	999.9	999.9	999.9	999.9	999.9	999.9	
7.7	617.2	630.0	642.8	655.7	668.6	681.6	694.7	707.8	721.0	734.2	747.5	760.8	999.9	999.9	999.9	999.9	999.9	999.9	
7.8	613.2	625.9	638.7	651.5	664.4	677.3	690.3	703.4	716.5	729.7	742.9	756.2	769.5	999.9	999.9	999.9	999.9	999.9	
7.9	609.2	621.9	634.6	647.4	660.2	673.1	686.1	699.1	712.1	725.2	738.4	751.6	764.9	999.9	999.9	999.9	999.9	999.9	

TABLE V. — Continued

BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	BESSEL FUNCTION ORDER																	
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
8.0	605.3	617.9	630.6	643.3	656.1	668.9	681.8	694.8	707.8	720.8	733.9	747.1	760.3	767.7	999.9	999.9	999.9	999.9
8.2	597.7	610.2	622.7	635.3	648.0	660.7	673.5	686.3	699.2	712.2	725.2	738.2	751.3	764.5	999.9	999.9	999.9	999.9
8.4	590.2	602.6	615.0	627.5	640.1	652.7	665.4	678.1	690.9	703.7	716.6	729.6	742.6	755.6	768.7	999.9	999.9	999.9
8.6	582.9	595.2	607.5	619.9	632.4	644.9	657.5	670.1	682.8	695.5	708.3	721.1	734.0	747.0	760.0	768.2	999.9	999.9
8.8	575.7	587.9	600.2	612.5	624.8	637.2	649.7	662.2	674.8	687.5	700.2	712.9	725.7	738.5	751.4	764.4	999.9	999.9
9.0	568.8	580.8	593.0	605.2	617.5	629.8	642.1	654.6	667.1	679.6	692.2	704.8	717.5	730.3	743.1	755.9	768.8	999.9
9.2	561.9	573.9	586.0	598.1	610.3	622.5	634.8	647.1	659.5	671.9	684.4	697.0	709.6	722.2	734.9	747.7	760.5	767.9
9.4	555.3	567.2	579.1	591.1	603.2	615.3	627.5	639.8	652.1	664.4	676.8	689.3	701.8	714.3	726.9	739.6	752.3	765.1
9.6	548.7	560.6	572.4	584.3	596.3	608.3	620.4	632.6	644.8	657.0	669.4	681.7	694.1	706.6	719.1	731.7	744.3	757.0
9.8	542.4	554.1	565.8	577.7	589.6	601.5	613.5	625.6	637.7	649.8	662.1	674.3	686.7	699.0	711.5	724.0	736.5	749.1
10.0	536.1	547.7	559.4	571.2	583.0	594.8	606.7	618.7	630.7	642.8	654.9	667.1	679.3	691.6	704.0	716.4	728.8	741.3
10.2	530.0	541.5	553.1	564.8	576.5	588.2	600.1	612.0	623.9	635.9	647.9	660.0	672.2	684.4	696.6	708.9	721.3	733.7
10.4	524.0	535.4	546.9	558.5	570.1	581.8	593.5	605.3	617.2	629.1	641.1	653.1	665.1	677.3	689.4	701.7	713.9	726.2
10.6	518.1	529.4	540.9	552.3	563.9	575.5	587.2	598.9	610.6	622.5	634.3	646.3	658.3	670.3	682.4	694.5	706.7	718.9
10.8	512.3	523.6	534.9	546.3	557.8	569.3	580.9	592.5	604.2	615.9	627.7	639.6	651.5	663.4	675.4	687.5	699.6	711.8
11.0	506.6	517.8	529.1	540.4	551.8	563.2	574.7	586.3	597.9	609.5	621.3	633.0	644.8	656.7	668.6	680.6	692.6	704.7
11.2	501.0	512.2	523.4	534.6	545.9	557.3	568.7	580.2	591.7	603.3	614.9	626.6	638.3	650.1	662.0	673.9	685.8	697.8
11.4	495.6	506.6	517.7	528.9	540.1	551.4	562.7	574.1	585.6	597.1	608.7	620.3	631.9	643.6	655.4	667.2	679.1	691.0
11.6	490.2	501.2	512.2	523.3	534.5	545.7	556.9	568.2	579.6	591.0	602.5	614.1	625.6	637.3	649.0	660.7	672.5	684.4
11.8	484.9	495.8	506.8	517.8	528.9	540.0	551.2	562.4	573.7	585.1	596.5	608.0	619.5	631.0	642.7	654.3	666.0	677.8
12.0	479.7	490.6	501.5	512.4	523.4	534.5	545.6	556.7	568.0	579.2	590.6	602.0	613.4	624.9	636.4	648.0	659.7	671.4
12.2	474.7	485.4	496.2	507.1	518.0	529.0	540.0	551.1	562.3	573.5	584.8	596.1	607.4	618.9	630.3	641.8	653.4	665.0
12.4	469.6	480.3	491.1	501.9	512.7	523.6	534.6	545.6	556.7	567.8	579.0	590.3	601.6	612.9	624.3	635.8	647.3	658.8
12.6	464.7	475.3	486.0	496.7	507.5	518.3	529.2	540.2	551.2	562.3	573.4	584.6	595.8	607.1	618.4	629.8	641.2	652.7
12.8	459.9	470.4	481.0	491.7	502.4	513.1	524.0	534.9	545.8	556.8	567.9	579.0	590.1	601.3	612.6	623.9	635.2	646.7
13.0	455.1	465.6	476.1	486.7	497.3	508.0	518.8	529.6	540.5	551.4	562.4	573.4	584.5	595.7	606.9	618.1	629.4	640.7
13.2	450.4	460.8	471.3	481.8	492.4	503.0	513.7	524.4	535.3	546.1	557.0	568.0	579.0	590.1	601.2	612.4	623.6	634.9
13.4	445.8	456.1	466.5	477.0	487.5	498.1	508.7	519.4	530.1	540.9	551.7	562.6	573.6	584.6	595.7	606.8	617.9	629.1
13.6	441.2	451.5	461.8	472.2	482.7	493.2	503.7	514.4	525.0	535.8	546.5	557.4	568.3	579.2	590.2	601.2	612.3	623.5
13.8	436.7	446.9	457.2	467.5	477.9	488.4	498.9	509.4	520.0	530.7	541.4	552.2	563.0	573.9	584.8	595.8	606.8	617.9
14.0	432.3	442.5	452.7	462.9	473.3	483.6	494.1	504.6	515.1	525.7	536.4	547.1	557.8	568.6	579.5	590.4	601.4	612.4
14.2	428.0	438.1	448.2	458.4	468.7	479.0	489.3	499.8	510.3	520.8	531.4	542.0	552.7	563.5	574.3	585.1	596.0	607.0
14.4	423.7	433.7	443.8	453.9	464.1	474.4	484.7	495.0	505.5	515.9	526.5	537.1	547.7	558.4	569.1	579.9	590.8	601.7
14.6	419.5	429.4	439.4	449.5	459.6	469.8	480.1	490.4	500.8	511.2	521.6	532.2	542.7	553.4	564.1	574.8	585.6	596.4
14.8	415.3	425.2	435.2	445.2	455.2	465.4	475.6	485.8	496.1	506.5	516.9	527.3	537.9	548.4	559.0	569.7	580.4	591.2
15.0	411.2	421.0	430.9	440.9	450.9	461.0	471.1	481.3	491.5	501.8	512.2	522.6	533.0	543.5	554.1	564.7	575.4	586.1
15.2	407.1	416.9	426.8	436.7	446.6	456.6	466.7	476.8	487.0	497.2	507.5	517.9	528.3	538.7	549.2	559.8	570.4	581.0
15.4	403.1	412.9	422.6	432.5	442.4	452.3	462.4	472.4	482.5	492.7	503.0	513.3	523.6	534.0	544.4	554.9	565.5	576.1
15.6	399.2	408.9	418.6	428.4	438.2	448.1	458.1	468.1	478.1	488.3	498.5	508.7	519.0	529.3	539.7	550.1	560.6	571.2
15.8	395.3	404.9	414.6	424.3	434.1	443.9	453.8	463.8	473.8	483.9	494.0	504.2	514.4	524.7	535.0	545.4	555.8	566.3

TABLE V. - Continued

BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	BESSEL FUNCTION ORDER																	
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
16.0	391.5	401.0	410.6	420.3	430.0	439.8	449.7	459.6	469.5	479.5	489.6	499.7	509.9	520.1	530.4	540.7	551.1	561.5
16.2	387.7	397.2	406.7	416.4	426.0	435.8	445.5	455.4	465.3	475.3	485.3	495.3	505.4	515.6	525.8	536.1	546.4	556.8
16.4	383.9	393.4	402.9	412.5	422.1	431.7	441.5	451.3	461.1	471.0	481.0	491.0	501.1	511.2	521.3	531.6	541.8	552.1
16.6	380.3	389.6	399.1	408.6	418.2	427.8	437.5	447.2	457.0	466.8	476.7	486.7	496.7	506.8	516.9	527.1	537.3	547.5
16.8	376.6	385.9	395.3	404.8	414.3	423.9	433.5	443.2	452.9	462.7	472.6	482.5	492.4	502.4	512.5	522.6	532.8	543.0
17.0	373.0	382.3	391.6	401.0	410.5	420.0	429.6	439.2	448.9	458.6	468.4	478.3	488.2	498.2	508.2	518.2	528.3	538.5
17.2	369.5	378.7	388.0	397.3	406.7	416.2	425.7	435.3	444.9	454.6	464.4	474.2	484.0	493.9	503.9	513.9	524.0	534.1
17.4	366.0	375.1	384.4	393.7	403.0	412.4	421.9	431.4	441.0	450.7	460.3	470.1	479.9	489.7	499.7	509.6	519.6	529.7
17.6	362.5	371.6	380.8	390.0	399.3	408.7	418.1	427.6	437.1	446.7	456.4	466.1	475.8	485.6	495.5	505.4	515.3	525.3
17.8	359.1	368.1	377.3	386.5	395.7	405.0	414.4	423.8	433.3	442.8	452.4	462.1	471.8	481.5	491.3	501.2	511.1	521.1
18.0	355.7	364.7	373.8	382.9	392.1	401.4	410.7	420.1	429.5	439.0	448.6	458.2	467.8	477.5	487.3	497.1	506.9	516.8
18.2	352.3	361.3	370.3	379.4	388.6	397.8	407.1	416.4	425.8	435.2	444.7	454.3	463.9	473.5	483.2	493.0	502.8	512.6
18.4	349.0	357.9	366.9	376.0	385.1	394.2	403.5	412.7	422.1	431.5	440.9	450.4	460.0	469.6	479.2	488.9	498.7	508.5
18.6	345.7	354.6	363.6	372.6	381.6	390.7	399.9	409.1	418.4	427.8	437.2	446.6	456.1	465.7	475.3	485.0	494.7	504.4
18.8	342.5	351.3	360.2	369.2	378.2	387.3	396.4	405.6	414.8	424.1	433.5	442.9	452.3	461.8	471.4	481.0	490.7	500.4
19.0	339.3	348.1	356.9	365.9	374.8	383.8	392.9	402.0	411.2	420.5	429.8	439.1	448.6	458.0	467.5	477.1	486.7	496.4
19.2	336.2	344.9	353.7	362.6	371.5	380.4	389.5	398.6	407.7	416.9	426.2	435.5	444.8	454.3	463.7	473.2	482.8	492.4
19.4	333.0	341.7	350.5	359.3	368.2	377.1	386.1	395.1	404.2	413.4	422.6	431.8	441.2	450.5	459.9	469.4	478.9	488.5
19.6	330.0	338.6	347.3	356.1	364.9	373.8	382.7	391.7	400.8	409.9	419.0	428.2	437.5	446.8	456.2	465.6	475.1	484.6
19.8	326.9	335.5	344.2	352.9	361.6	370.5	379.4	388.3	397.3	406.4	415.5	424.7	433.9	443.2	452.5	461.9	471.3	480.8
20.0	323.9	332.4	341.0	349.7	358.4	367.2	376.1	385.0	394.0	403.0	412.0	421.2	430.3	439.6	448.9	458.2	467.6	477.0
20.2	320.9	329.4	338.0	346.6	355.3	364.0	372.8	381.7	390.6	399.6	408.6	417.7	426.8	436.0	445.3	454.5	463.9	473.3
20.4	317.9	326.4	334.9	343.5	352.1	360.8	369.6	378.4	387.3	396.2	405.2	414.2	423.3	432.5	441.7	450.9	460.2	469.6
20.6	315.0	323.4	331.9	340.4	349.0	357.7	366.4	375.2	384.0	392.9	401.8	410.8	419.9	429.0	438.1	447.3	456.6	465.9
20.8	312.1	320.5	328.9	337.4	346.0	354.6	363.3	372.0	380.8	389.6	398.5	407.5	416.5	425.5	434.6	443.8	453.0	462.3
21.0	309.2	317.6	326.0	334.4	342.9	351.5	360.1	368.8	377.6	386.4	395.2	404.1	413.1	422.1	431.2	440.3	449.5	458.7
21.2	306.4	314.7	323.0	331.5	339.9	348.4	357.0	365.7	374.4	383.1	391.9	400.8	409.7	418.7	427.7	436.8	445.9	455.1
21.4	303.6	311.8	320.1	328.5	336.9	345.4	354.0	362.6	371.2	379.9	388.7	397.5	406.4	415.3	424.3	433.4	442.5	451.6
21.6	300.8	309.0	317.3	325.6	334.0	342.4	350.9	359.5	368.1	376.8	385.5	394.3	403.1	412.0	421.0	430.0	439.0	448.1
21.8	298.1	306.2	314.5	322.7	331.1	339.5	347.9	356.5	365.0	373.7	382.4	391.1	399.9	408.7	417.6	426.6	435.6	444.6
22.0	295.3	303.5	311.6	319.9	328.2	336.6	345.0	353.4	362.0	370.6	379.2	387.9	396.7	405.5	414.3	423.2	432.2	441.2
22.2	292.7	300.7	308.9	317.1	325.3	333.7	342.0	350.5	359.0	367.5	376.1	384.8	393.5	402.2	411.1	419.9	428.9	437.8
22.4	290.0	298.0	306.1	314.3	322.5	330.8	339.1	347.5	356.0	364.5	373.0	381.7	390.3	399.1	407.8	416.7	425.5	434.5
22.6	287.3	295.3	303.4	311.5	319.7	327.9	336.2	344.6	353.0	361.5	370.0	378.6	387.2	395.9	404.6	413.4	422.3	431.1
22.8	284.7	292.7	300.7	308.8	316.9	325.1	333.4	341.7	350.1	358.5	367.0	375.5	384.1	392.8	401.4	410.2	419.0	427.9
23.0	282.1	290.1	298.0	306.1	314.2	322.3	330.5	338.8	347.2	355.5	364.0	372.5	381.0	389.6	398.3	407.0	415.8	424.6
23.2	279.6	287.4	295.4	303.4	311.4	319.6	327.7	336.0	344.3	352.6	361.0	369.5	378.0	386.6	395.2	403.9	412.6	421.4
23.4	277.0	284.9	292.8	300.7	308.7	316.8	325.0	333.2	341.4	349.7	358.1	366.5	375.0	383.5	392.1	400.7	409.4	418.2
23.6	274.5	282.3	290.2	298.1	306.1	314.1	322.2	330.4	338.6	346.9	355.2	363.6	372.0	380.5	389.0	397.6	406.3	415.0
23.8	272.0	279.8	287.6	295.5	303.4	311.4	319.5	327.6	335.8	344.0	352.3	360.7	369.1	377.5	386.0	394.6	403.2	411.8

TABLE V. - Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
24.0	269.5	277.3	285.0	292.9	300.8	308.8	316.8	324.9	333.0	341.2	349.5	357.8	366.1	374.5	383.0	391.5	400.1	408.7
24.2	267.1	274.8	282.5	290.3	298.2	306.1	314.1	322.2	330.3	338.4	346.6	354.9	363.2	371.6	380.0	388.5	397.0	405.6
24.4	264.7	272.3	280.0	287.8	295.6	303.5	311.5	319.5	327.5	335.7	343.8	352.1	360.3	368.7	377.1	385.5	394.0	402.6
24.6	262.3	269.9	277.5	285.3	293.1	300.9	308.8	316.8	324.8	332.9	341.1	349.2	357.5	365.8	374.2	382.6	391.0	399.5
24.8	259.9	267.5	275.1	282.8	290.5	298.4	306.2	314.2	322.2	330.2	338.3	346.5	354.7	362.9	371.3	379.6	388.0	396.5
25.0	257.5	265.1	272.7	280.3	288.0	295.8	303.6	311.5	319.5	327.5	335.6	343.7	351.9	360.1	368.4	376.7	385.1	393.5
25.2	255.2	262.7	270.2	277.9	285.5	293.3	301.1	309.0	316.9	324.8	332.9	341.0	349.1	357.3	365.5	373.8	382.2	390.6
25.4	252.9	260.3	267.9	275.4	283.1	290.8	298.6	306.4	314.3	322.2	330.2	338.2	346.3	354.5	362.7	371.0	379.3	387.7
25.6	250.6	258.0	265.5	273.0	280.6	288.3	296.0	303.8	311.7	319.6	327.5	335.5	343.6	351.7	359.9	368.1	376.4	384.7
25.8	248.3	255.7	263.1	270.7	278.2	285.9	293.6	301.3	309.1	317.0	324.9	332.9	340.9	349.0	357.1	365.3	373.6	381.9
26.0	246.0	253.4	260.8	268.3	275.8	283.4	291.1	298.8	306.6	314.4	322.3	330.2	338.2	346.3	354.4	362.5	370.7	379.0
26.2	243.8	251.1	258.5	265.9	273.5	281.0	288.6	296.3	304.1	311.8	319.7	327.6	335.6	343.6	351.7	359.8	368.0	376.2
26.4	241.6	248.9	256.2	263.6	271.1	278.6	286.2	293.9	301.6	309.3	317.1	325.0	332.9	340.9	348.9	357.0	365.2	373.4
26.6	239.4	246.6	254.0	261.3	268.8	276.2	283.8	291.4	299.1	306.8	314.6	322.4	330.3	338.3	346.3	354.3	362.4	370.6
26.8	237.2	244.4	251.7	259.0	266.4	273.9	281.4	288.9	296.6	304.3	312.1	320.0	327.7	335.6	343.6	351.6	359.7	367.8
27.0	235.1	242.2	249.5	256.8	264.1	271.6	279.0	286.6	294.2	301.8	309.6	317.3	325.2	333.0	341.0	349.0	357.0	365.1
27.2	232.9	239.9	247.3	254.5	261.9	269.3	276.7	284.2	291.8	299.4	307.1	314.8	322.6	330.4	338.3	346.3	354.3	362.4
27.4	230.8	237.9	245.1	252.3	259.6	267.0	274.4	281.8	289.4	297.0	304.6	312.3	320.1	327.9	335.8	343.7	351.6	359.7
27.6	228.7	235.8	242.9	250.1	257.4	264.7	272.1	279.5	287.0	294.6	302.2	309.8	317.6	325.3	333.2	341.1	349.0	357.0
27.8	226.6	233.6	240.8	247.9	255.1	262.4	269.8	277.2	284.7	292.2	299.8	307.4	315.1	322.8	330.6	338.5	346.4	354.3
28.0	224.5	231.5	238.6	245.7	252.9	260.2	267.5	274.9	282.3	289.8	297.4	305.0	312.6	320.3	328.1	335.9	343.8	351.7
28.2	222.5	229.5	236.5	243.6	250.8	258.0	265.3	272.6	280.0	287.5	295.0	302.5	310.2	317.8	325.6	333.4	341.2	349.1
28.4	220.5	227.4	234.4	241.5	248.6	255.8	263.0	270.3	277.7	285.1	292.6	300.1	307.7	315.4	323.1	330.8	338.6	346.5
28.6	218.4	225.3	232.3	239.3	246.4	253.6	260.8	268.1	275.4	282.8	290.3	297.8	305.3	312.9	320.6	328.3	336.1	343.9
28.8	216.4	223.3	230.2	237.2	244.3	251.4	258.6	265.9	273.2	280.5	287.9	295.4	302.9	310.5	318.1	325.8	333.6	341.4
29.0	214.5	221.3	228.2	235.2	242.2	249.2	256.4	263.6	270.9	278.2	285.6	293.1	300.6	308.1	315.7	323.4	331.1	338.8
29.2	212.5	219.3	226.2	233.1	240.1	247.2	254.3	261.4	268.7	276.0	283.3	290.7	298.2	305.7	313.3	320.9	328.6	336.3
29.4	210.5	217.3	224.1	231.0	238.0	245.0	252.1	259.3	266.5	273.7	281.1	288.4	295.9	303.4	310.9	318.5	326.1	333.8
29.6	208.5	215.3	222.1	229.0	235.9	242.9	250.0	257.1	264.3	271.5	278.8	286.1	293.6	301.0	308.5	316.1	323.7	331.4
29.8	206.7	213.4	220.2	227.0	233.9	240.9	247.9	255.0	262.1	269.3	276.6	283.9	291.3	298.7	306.2	313.7	321.3	328.9
30.0	204.8	211.4	218.2	225.0	231.9	238.8	245.8	252.8	260.0	267.1	274.3	281.6	288.9	296.4	303.8	311.3	318.9	326.5
30.2	202.9	209.5	216.2	223.0	229.8	236.7	243.7	250.7	257.8	264.9	272.1	279.4	286.7	294.1	301.5	309.0	316.5	324.0
30.4	201.0	207.6	214.3	221.0	227.8	234.7	241.6	248.6	255.6	262.7	270.0	277.2	284.5	291.8	299.2	306.6	314.1	321.6
30.6	199.1	205.7	212.4	219.1	225.9	232.7	239.6	246.6	253.6	260.7	267.8	274.8	281.8	288.8	295.9	303.0	310.1	317.3
30.8	197.3	203.8	210.5	217.1	223.9	230.7	237.6	244.5	251.5	258.5	265.6	272.6	279.6	286.6	293.7	300.8	307.9	315.0
31.0	195.5	202.0	208.6	215.2	221.9	228.7	235.6	242.5	249.4	256.4	263.5	270.6	277.6	284.6	291.7	298.8	305.9	313.0
31.2	193.6	200.1	206.7	213.3	220.0	226.7	233.4	240.1	246.8	253.5	260.2	266.9	273.6	280.3	287.0	293.7	300.4	307.1
31.4	191.8	198.3	204.8	211.4	218.1	224.8	231.4	238.1	244.8	251.5	258.2	264.9	271.6	278.3	285.0	291.7	298.4	305.1
31.6	190.1	196.5	203.0	209.5	216.2	222.9	229.6	236.4	243.3	250.2	257.2	264.2	271.1	278.0	284.9	291.8	298.7	305.6
31.8	188.3	194.7	201.1	207.7	214.3	220.9	227.6	234.4	241.3	248.2	255.1	262.1	269.0	276.0	283.0	290.0	297.0	304.0

TABLE V. - Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

BESSEL FUNCTION ORDER																		
ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
32.0	186.5	192.9	199.3	205.8	212.4	219.0	225.7	232.4	239.3	246.1	253.0	260.0	267.1	274.2	281.3	288.5	295.8	303.1
32.5	182.2	188.5	194.8	201.3	207.7	214.3	220.9	227.6	234.3	241.1	248.0	254.9	261.8	268.9	275.9	283.1	290.2	297.5
33.0	177.9	184.1	190.4	196.8	203.2	209.7	216.2	222.8	229.5	236.2	243.0	249.8	256.7	263.6	270.7	277.7	284.8	292.0
33.5	173.7	179.9	186.1	192.4	198.7	205.1	211.6	218.1	224.7	231.4	238.1	244.8	251.7	258.5	265.5	272.5	279.5	286.6
34.0	169.6	175.7	181.9	188.1	194.3	200.7	207.1	213.5	220.0	226.6	233.3	240.0	246.7	253.5	260.4	267.3	274.3	281.3
34.5	165.6	171.6	177.7	183.8	190.0	196.3	202.6	209.0	215.5	222.0	228.5	235.2	241.8	248.6	255.4	262.2	269.1	276.1
35.0	161.7	167.6	173.6	179.7	185.8	192.0	198.2	204.6	210.9	217.4	223.9	230.4	237.0	243.7	250.4	257.2	264.1	270.9
35.5	157.8	163.6	169.6	175.6	181.6	187.8	193.9	200.2	206.5	212.9	219.3	225.8	232.3	238.9	245.6	252.3	259.1	265.9
36.0	154.0	159.8	165.6	171.6	177.6	183.6	189.7	195.9	202.2	208.5	214.8	221.2	227.7	234.3	240.8	247.5	254.2	260.9
36.5	150.2	156.0	161.8	167.6	173.5	179.5	185.6	191.7	197.9	204.1	210.4	216.8	223.2	229.6	236.2	242.7	249.4	256.1
37.0	146.6	152.2	158.0	163.7	169.6	175.5	181.5	187.6	193.7	199.8	206.1	212.4	218.7	225.1	231.6	238.1	244.7	251.3
37.5	143.0	148.6	154.2	159.9	165.7	171.6	177.5	183.5	189.5	195.6	201.8	208.0	214.3	220.6	227.0	233.5	240.0	246.6
38.0	139.4	145.0	150.5	156.2	161.9	167.7	173.6	179.5	185.5	191.5	197.6	203.8	210.0	216.3	222.6	229.0	235.4	241.9
38.5	136.0	141.4	146.9	152.5	158.2	163.9	169.7	175.6	181.5	187.4	193.5	199.6	205.7	211.9	218.2	224.5	230.9	237.3
39.0	132.5	137.9	143.4	148.9	154.5	160.2	165.9	171.7	177.5	183.5	189.4	195.5	201.5	207.7	213.9	220.2	226.5	232.8
39.5	129.2	134.5	139.9	145.4	150.9	156.5	162.2	167.9	173.7	179.5	185.4	191.4	197.4	203.5	209.7	215.9	222.1	228.4
40.0	125.9	131.2	136.5	141.9	147.4	152.9	158.5	164.1	169.9	175.7	181.5	187.4	193.4	199.4	205.5	211.6	217.8	224.1
40.5	122.7	127.9	133.1	138.5	143.9	149.3	154.9	160.5	166.1	171.9	177.6	183.5	189.4	195.4	201.4	207.5	213.6	219.8
41.0	119.5	124.6	129.8	135.1	140.4	145.8	151.3	156.9	162.5	168.1	173.8	179.6	185.5	191.4	197.3	203.4	209.4	215.6
41.5	116.4	121.4	126.6	131.8	137.1	142.4	147.8	153.3	158.8	164.4	170.1	175.8	181.6	187.5	193.4	199.3	205.3	211.4
42.0	113.3	118.3	123.4	128.5	133.8	139.0	144.4	149.8	155.3	160.8	166.4	172.1	177.8	183.6	189.4	195.3	201.3	207.3
42.5	110.3	115.2	120.3	125.3	130.5	135.7	141.0	146.4	151.8	157.3	162.8	168.4	174.1	179.8	185.6	191.4	197.3	203.3
43.0	107.3	112.2	117.2	122.2	127.3	132.5	137.7	143.0	148.3	153.8	159.2	164.8	170.4	176.1	181.8	187.6	193.4	199.3
43.5	104.4	109.3	114.2	119.1	124.1	129.2	134.4	139.6	144.9	150.3	155.7	161.2	166.8	172.4	178.0	183.8	189.5	195.4
44.0	101.6	106.3	111.2	116.1	121.0	126.1	131.2	136.4	141.6	146.9	152.3	157.7	163.2	168.7	174.4	180.0	185.7	191.5
44.5	98.8	103.5	108.3	113.1	118.0	123.0	128.0	133.1	138.3	143.6	148.9	154.3	159.7	165.2	170.7	176.3	182.0	187.7
45.0	96.0	100.7	105.4	110.2	115.0	119.9	124.9	130.0	135.1	140.3	145.5	150.9	156.2	161.7	167.2	172.7	178.3	184.0
45.5	93.3	97.9	102.6	107.3	112.1	116.9	121.9	126.9	131.9	137.1	142.2	147.5	152.8	158.2	163.6	169.1	174.7	180.3
46.0	90.7	95.2	99.8	104.4	109.2	114.0	118.9	123.8	128.8	133.9	139.0	144.2	149.5	154.8	160.2	165.6	171.1	176.7
46.5	88.1	92.5	97.1	101.7	106.3	111.1	115.9	120.8	125.7	130.7	135.8	141.0	146.2	151.4	156.8	162.1	167.6	173.1
47.0	85.5	89.9	94.4	98.9	103.5	108.2	113.0	117.8	122.7	127.7	132.7	137.8	142.9	148.1	153.4	158.7	164.1	169.6
47.5	83.0	87.3	91.7	96.2	100.8	105.4	110.1	114.9	119.7	124.6	129.6	134.6	139.7	144.9	150.1	155.4	160.7	166.1
48.0	80.5	84.8	89.2	93.6	98.1	102.7	107.3	112.0	116.8	121.6	126.5	131.5	136.6	141.7	146.8	152.0	157.3	162.7
48.5	78.1	82.3	86.6	91.0	95.4	99.9	104.5	109.2	113.9	118.7	123.5	128.5	133.5	138.5	143.6	148.8	154.0	159.3
49.0	75.7	79.9	84.1	88.4	92.8	97.3	101.8	106.4	111.1	115.8	120.6	125.5	130.4	135.4	140.4	145.6	150.7	156.0
49.5	73.4	77.5	81.7	85.9	90.2	94.6	99.1	103.7	108.3	112.9	117.7	122.5	127.4	132.3	137.3	142.4	147.5	152.7
50.0	71.1	75.1	79.3	83.5	87.7	92.1	96.5	101.0	105.5	110.1	114.8	119.6	124.4	129.3	134.2	139.3	144.3	149.5
50.5	68.9	72.8	76.9	81.0	85.2	89.5	93.9	98.3	102.8	107.4	112.0	116.7	121.5	126.3	131.2	136.2	141.2	146.3
51.0	66.7	70.6	74.6	78.6	82.8	87.0	91.3	95.7	100.2	104.7	109.3	113.9	118.6	123.4	128.2	133.1	138.1	143.1
51.5	64.5	68.3	72.3	76.3	80.4	84.6	88.8	93.1	97.5	102.0	106.5	111.1	115.8	120.5	125.3	130.2	135.1	140.0

TABLE V. — Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	BESSEL FUNCTION ORDER																	
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
52.0	62.4	66.2	70.1	74.0	78.1	82.2	86.4	90.6	95.0	99.4	103.8	108.4	113.0	117.7	122.4	127.2	132.1	137.0
52.5	60.3	64.0	67.9	71.8	75.7	79.8	83.9	88.2	92.4	96.8	101.2	105.7	110.3	114.9	119.6	124.3	129.1	134.0
53.0	58.2	61.9	65.7	69.5	73.5	77.5	81.6	85.7	89.9	94.2	98.6	103.0	107.5	112.1	116.8	121.4	126.2	131.0
53.5	56.2	59.9	63.6	67.4	71.2	75.2	79.2	83.3	87.5	91.7	96.1	100.4	104.9	109.4	114.0	118.6	123.3	128.1
54.0	54.3	57.9	61.5	65.2	69.1	72.9	76.9	81.0	85.1	89.3	93.5	97.9	102.3	106.7	111.3	115.9	120.5	125.2
54.5	52.4	55.9	59.5	63.1	66.9	70.7	74.7	78.6	82.7	86.8	91.1	95.3	99.7	104.1	108.6	113.1	117.7	122.4
55.0	50.5	53.9	57.5	61.1	64.8	68.6	72.4	76.4	80.4	84.5	88.6	92.8	97.1	101.5	105.9	110.4	115.0	119.6
55.5	48.6	52.0	55.5	59.1	62.7	66.4	70.2	74.1	78.1	82.1	86.2	90.4	94.6	99.0	103.3	107.8	112.3	116.8
56.0	46.8	50.2	53.6	57.1	60.7	64.4	68.1	71.9	75.8	79.8	83.9	88.0	92.2	96.4	100.8	105.2	109.6	114.1
56.5	45.1	48.4	51.7	55.2	58.7	62.3	66.0	69.8	73.6	77.5	81.5	85.6	89.8	94.0	98.2	102.6	107.0	111.5
57.0	43.4	46.6	49.9	53.3	56.7	60.3	63.9	67.6	71.4	75.3	79.3	83.3	87.4	91.5	95.8	100.0	104.4	108.8
57.5	41.7	44.8	48.1	51.4	54.8	58.3	61.9	65.6	69.3	73.1	77.0	81.0	85.0	89.1	93.3	97.5	101.8	106.2
58.0	40.0	43.1	46.3	49.6	52.9	56.4	59.9	63.5	67.2	71.0	74.8	78.7	82.7	86.8	90.9	95.1	99.3	103.7
58.5	38.4	41.4	44.6	47.8	51.1	54.5	58.0	61.5	65.1	68.9	72.6	76.5	80.4	84.4	88.5	92.7	96.9	101.1
59.0	36.8	39.8	42.9	46.0	49.3	52.6	56.0	59.5	63.1	66.8	70.5	74.3	78.2	82.2	86.2	90.3	94.4	98.7
59.5	35.3	38.2	41.2	44.3	47.5	50.8	54.1	57.6	61.1	64.7	68.4	72.2	76.0	79.9	83.9	87.9	92.0	96.2
60.0	33.8	36.7	39.6	42.6	45.8	49.0	52.3	55.7	59.2	62.7	66.4	70.1	73.8	77.7	81.6	85.6	89.7	93.8
60.5	32.3	35.1	38.0	41.0	44.1	47.2	50.5	53.8	57.2	60.7	64.3	68.0	71.7	75.5	79.4	83.3	87.3	91.4
61.0	30.9	33.6	36.5	39.4	42.4	45.5	48.7	52.0	55.4	58.8	62.3	65.9	69.6	73.4	77.2	81.1	85.0	89.1
61.5	29.5	32.2	35.0	37.8	40.8	43.8	47.0	50.2	53.5	56.9	60.4	63.9	67.6	71.3	75.0	78.9	82.8	86.8
62.0	28.2	30.8	33.5	36.3	39.2	42.2	45.3	48.4	51.7	55.0	58.5	62.0	65.5	69.2	72.9	76.7	80.6	84.5
62.5	26.9	29.4	32.1	34.8	37.6	40.6	43.6	46.7	49.9	53.2	56.6	60.0	63.6	67.2	70.8	74.6	78.4	82.3
63.0	25.6	28.1	30.7	33.3	36.1	39.0	42.0	45.0	48.2	51.4	54.7	58.1	61.6	65.1	68.8	72.5	76.2	80.1
63.5	24.4	26.8	29.3	31.9	34.6	37.5	40.4	43.4	46.5	49.7	52.9	56.3	59.7	63.2	66.8	70.4	74.1	77.9
64.0	23.2	25.5	28.0	30.5	33.2	36.0	38.8	41.8	44.8	47.9	51.1	54.4	57.8	61.2	64.8	68.4	72.0	75.8
64.5	22.0	24.3	26.7	29.2	31.8	34.5	37.3	40.2	43.2	46.2	49.4	52.6	55.9	59.3	62.8	66.4	70.0	73.7
65.0	20.9	23.1	25.4	27.9	30.4	33.0	35.8	38.6	41.6	44.6	47.7	50.9	54.1	57.5	60.9	64.4	68.0	71.6
65.5	19.8	22.0	24.2	26.6	29.1	31.7	34.3	37.1	40.0	42.9	46.0	49.1	52.3	55.6	59.0	62.5	66.0	69.6
66.0	18.8	20.9	23.1	25.4	27.8	30.3	32.9	35.6	38.4	41.4	44.3	47.4	50.6	53.8	57.2	60.6	64.0	67.6
66.5	17.8	19.8	21.9	24.1	26.5	29.0	31.5	34.2	36.9	39.8	42.7	45.8	48.9	52.1	55.3	58.7	62.1	65.6
67.0	16.8	18.8	20.8	23.0	25.3	27.7	30.2	32.8	35.5	38.3	41.2	44.1	47.2	50.3	53.5	56.8	60.2	63.7
67.5	15.9	17.8	19.8	21.9	24.1	26.4	28.8	31.4	34.0	36.8	39.6	42.5	45.5	48.6	51.8	55.0	58.4	61.8
68.0	15.1	16.8	18.7	20.8	22.9	25.2	27.6	30.1	32.6	35.3	38.1	41.0	43.9	47.0	50.1	53.3	56.5	59.9
68.5	14.2	15.9	17.7	19.7	21.8	24.0	26.3	28.7	31.3	33.9	36.6	39.4	42.3	45.3	48.4	51.5	54.8	58.1
69.0	13.4	15.0	16.8	18.7	20.7	22.9	25.1	27.5	29.9	32.5	35.2	37.9	40.8	43.7	46.7	49.8	53.0	56.2
69.5	12.7	14.2	15.9	17.7	19.7	21.7	23.9	26.2	28.6	31.1	33.8	36.5	39.3	42.1	45.1	48.1	51.3	54.5
70.0	12.0	13.4	15.0	16.8	18.7	20.7	22.8	25.0	27.4	29.8	32.4	35.0	37.8	40.6	43.5	46.5	49.6	52.7
70.5	11.3	12.7	14.2	15.9	17.7	19.6	21.7	23.9	26.1	28.5	31.0	33.6	36.3	39.1	41.9	44.9	47.9	51.0
71.0	10.7	12.0	13.4	15.0	16.8	18.6	20.6	22.7	25.0	27.3	29.7	32.3	34.9	37.6	40.4	43.3	46.3	49.3
71.5	10.2	11.4	12.7	14.2	15.9	17.7	19.6	21.6	23.8	26.1	28.4	30.9	33.5	36.2	38.9	41.7	44.7	47.7

TABLE V. — Continued

BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	BESSEL FUNCTION ORDER																	
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
72.0	9.7	10.8	12.0	13.4	15.0	16.7	18.6	20.6	22.7	24.9	27.2	29.6	32.1	34.7	37.4	40.2	43.1	46.1
72.5	9.2	10.2	11.4	12.7	14.2	15.8	17.6	19.5	21.6	23.7	26.0	28.3	30.8	33.4	36.0	38.7	41.6	44.5
73.0	8.9	9.7	10.8	12.0	13.4	15.0	16.7	18.6	20.5	22.6	24.8	27.1	29.5	32.0	34.6	37.3	40.1	42.9
73.5	8.5	9.3	10.2	11.4	12.7	14.2	15.8	17.6	19.5	21.5	23.7	25.9	28.2	30.7	33.2	35.9	38.6	41.4
74.0	8.3	8.9	9.7	10.8	12.0	13.4	15.0	16.7	18.5	20.5	22.5	24.7	27.0	29.4	31.9	34.5	37.1	39.9
74.5	8.1	8.6	9.3	10.2	11.4	12.7	14.2	15.8	17.6	19.5	21.5	23.6	25.8	28.2	30.6	33.1	35.7	38.4
75.0	8.0	8.3	8.9	9.7	10.8	12.0	13.4	15.0	16.7	18.5	20.4	22.5	24.7	26.9	29.3	31.8	34.3	37.0
75.5	7.9	8.1	8.6	9.3	10.3	11.4	12.7	14.2	15.8	17.6	19.4	21.4	23.5	25.7	28.1	30.5	33.0	35.6
76.0	7.9	8.0	8.3	8.9	9.8	10.8	12.0	13.4	15.0	16.7	18.5	20.4	22.4	24.6	26.9	29.2	31.7	34.2
76.5	8.0	8.0	8.1	8.6	9.3	10.3	11.4	12.7	14.2	15.8	17.5	19.4	21.4	23.5	25.7	28.0	30.4	32.9
77.0	8.0	8.0	8.0	8.3	8.9	9.8	10.8	12.0	13.4	15.0	16.6	18.4	20.3	22.4	24.5	26.8	29.1	31.6
77.5	8.0	8.0	8.0	8.1	8.6	9.3	10.3	11.4	12.7	14.2	15.8	17.5	19.4	21.3	23.4	25.6	27.9	30.3
78.0	8.0	8.0	8.0	8.0	8.4	9.0	9.8	10.8	12.0	13.4	15.0	16.6	18.4	20.3	22.3	24.5	26.7	29.0
78.5	8.0	8.0	8.0	8.0	8.2	8.6	9.4	10.3	11.4	12.7	14.2	15.8	17.5	19.3	21.3	23.4	25.5	27.8
79.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.4	20.3	22.3	24.4	26.6
79.5	8.0	8.0	8.0	8.0	8.0	8.2	8.7	9.4	10.3	11.4	13.4	14.9	16.6	18.4	20.3	22.3	24.4	26.6
80.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
80.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
81.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
81.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
82.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
82.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
83.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
83.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
84.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
84.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
85.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
85.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
86.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
86.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
87.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
87.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
88.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
88.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
89.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
89.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
90.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
90.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
91.0	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3
91.5	8.0	8.0	8.0	8.0	8.0	8.1	8.4	9.0	9.8	10.9	12.1	13.4	14.9	16.6	18.3	20.2	22.2	24.3

TABLE V. — Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
92.0	-15.9	13.6	10.2	9.6	10.8	15.6	14.4	-10.5	-9.3	-9.4	-10.8	-14.5	17.1	11.5	9.15	8.6	8.3	8.3
93.0	-11.0	-16.9	13.2	10.2	9.7	11.0	16.2	-14.1	-10.4	-9.3	-9.5	-10.9	14.7	16.8	11.4	9.5	8.6	8.6
94.0	-9.9	-11.2	-18.2	12.9	10.1	9.7	11.2	16.9	-13.8	-10.4	-9.3	-9.5	-11.0	-15.0	16.5	11.4	9.5	8.6
95.0	-10.7	-9.9	-11.4	-19.9	12.6	10.0	9.8	11.3	17.6	-13.5	-10.3	-9.3	-9.6	-11.1	-15.2	16.2	11.3	9.5
96.0	-14.9	-10.6	-10.0	-11.7	-22.7	12.3	10.0	9.8	11.5	18.6	-13.2	-10.2	-9.3	-9.6	-11.2	-15.5	16.0	11.3
97.0	14.8	-14.2	-10.5	-10.0	-12.0	-32.0	12.0	9.9	9.9	11.7	19.8	-13.0	-10.2	-9.3	-9.7	-11.3	-15.8	15.7
98.0	10.8	15.7	-13.7	-10.4	-10.1	-12.3	23.9	11.8	9.9	10.0	11.9	21.4	12.8	-10.1	-9.4	-9.7	-11.4	16.0
99.0	10.2	11.0	16.8	-13.2	-10.3	-10.2	12.6	20.6	11.6	9.9	10.0	12.1	23.9	-12.6	-10.1	-9.4	-11.5	15.8
100.0	11.8	10.2	11.2	18.3	-12.8	-10.2	10.3	-12.9	18.8	11.4	9.8	10.1	12.3	30.0	-12.4	-10.0	-9.8	15.8
101.0	22.8	11.5	10.2	11.5	20.5	-12.4	10.2	-10.4	-13.3	17.6	11.3	9.8	10.2	12.5	-26.9	-12.3	-10.0	15.8
102.0	-12.5	19.1	11.3	10.2	11.8	25.2	12.1	-10.1	-10.5	-13.7	16.6	11.1	9.8	10.3	12.8	-23.0	-12.1	15.8
103.0	-10.4	-13.0	17.2	11.1	10.2	12.1	-25.6	-11.8	-10.1	-10.6	-14.2	15.9	11.0	9.8	10.3	13.0	-12.1	15.8
104.0	-10.9	-10.5	-13.5	15.9	10.9	10.3	12.5	-20.8	-11.6	-10.1	-10.8	-14.7	15.3	10.9	9.8	10.4	-13.3	15.6
105.0	-15.2	-10.8	-10.6	-14.2	14.9	10.7	10.4	12.9	-18.6	-11.4	-10.1	-10.9	-15.3	14.7	10.8	10.5	-13.6	15.6
106.0	14.6	14.3	-10.6	-10.8	-15.1	14.2	10.6	10.5	13.3	-17.2	-11.2	-10.1	-11.1	-16.0	14.3	10.7	10.6	15.6
107.0	10.9	15.7	-13.5	-10.5	-11.0	-16.1	13.6	10.5	10.6	13.8	-16.1	-11.0	-10.1	-11.3	-16.8	13.9	10.6	15.6
108.0	10.7	11.1	17.1	-13.0	-10.5	-11.2	-17.4	13.1	10.4	13.7	14.4	-15.3	10.9	-10.1	-11.4	-17.7	13.5	15.2
109.0	13.6	10.6	11.4	19.4	-12.5	-10.4	11.5	-19.4	12.6	10.4	10.3	15.1	-14.7	-10.8	-10.2	-11.6	-11.9	15.2
110.0	-16.9	12.9	10.6	11.7	24.1	-12.1	-10.4	-11.8	-23.0	12.3	10.9	11.1	15.9	-14.1	-10.7	-10.2	-11.9	20.6
111.0	-11.4	-19.4	12.4	10.5	12.1	-24.4	-11.8	-10.4	-23.0	28.6	12.0	10.3	11.3	16.8	-13.5	-10.6	-10.3	12.1
112.0	-10.7	-11.7	-25.3	12.0	10.6	12.5	19.6	-11.5	-10.5	-12.5	21.2	11.7	10.3	11.5	18.1	-13.2	-10.5	10.3
113.0	-13.1	-10.7	-12.1	22.6	11.6	10.6	13.0	-17.4	-11.2	-10.6	-12.9	18.6	11.5	10.3	11.7	-19.8	-12.9	10.4
114.0	18.8	-12.5	-10.7	-12.6	18.6	11.4	10.7	13.7	-16.0	-11.1	-10.6	-13.4	17.1	11.3	10.4	12.0	-12.6	13.6
115.0	11.7	24.2	-12.0	-10.7	-13.2	16.6	11.1	10.8	14.4	-15.0	-10.9	-10.8	-14.0	15.9	11.1	10.4	12.2	32.9
116.0	10.8	12.1	-22.6	-11.6	-10.8	-13.9	15.3	11.0	11.0	15.3	14.2	-10.8	10.9	-14.6	15.1	11.0	10.5	15.6
117.0	13.0	10.8	12.6	-18.4	-11.4	-10.9	14.8	14.4	10.8	11.2	16.4	-13.6	-10.7	-11.1	-15.4	14.4	10.8	10.6
118.0	-19.1	12.4	10.8	13.3	-16.4	-11.1	-11.1	-16.0	13.6	10.8	11.4	18.0	-13.0	-10.6	-11.2	-16.4	13.8	10.7
119.0	-11.8	-26.2	12.0	10.9	14.1	-15.0	-11.0	-11.4	-17.6	13.0	10.7	11.7	20.4	-12.6	-10.6	-11.5	-17.7	13.4
120.0	-11.0	-12.2	21.3	11.6	11.0	15.1	14.1	-10.9	-11.6	-20.2	12.5	10.7	12.0	26.5	-12.3	-10.6	-11.7	19.4
121.0	-13.4	-10.9	-12.8	17.7	11.3	11.2	16.5	-13.3	-10.8	-12.0	-27.5	12.1	10.7	12.4	-23.5	-11.9	-10.6	12.0
122.0	17.8	-12.7	-10.9	-13.5	15.8	11.1	11.5	18.6	-12.7	-10.8	-12.4	22.3	11.8	10.7	12.8	-13.6	-11.7	10.6
123.0	11.7	22.1	-12.2	-11.0	-14.4	14.6	11.0	11.8	22.7	-12.3	-10.8	-22.9	18.8	11.6	10.8	13.0	-17.6	11.5
124.0	11.1	12.1	-23.8	-11.8	-11.2	-15.7	13.7	10.9	12.0	-25.1	-10.9	-10.9	-13.4	16.9	11.3	10.9	13.9	16.3
125.0	14.3	11.0	12.7	-18.4	-11.5	-11.4	-17.4	13.0	12.9	12.7	-19.4	-11.6	-11.0	-14.1	15.6	11.2	11.0	14.6
126.0	-16.0	13.5	11.0	13.4	-16.2	-11.2	-11.7	-20.5	10.9	10.9	13.3	-17.1	-11.4	-11.1	-14.9	14.7	11.0	11.2
127.0	-11.5	-18.5	12.6	11.1	14.3	-14.8	11.1	-12.1	35.6	12.0	11.0	14.0	-15.0	-11.2	-15.0	14.0	10.9	10.9
128.0	-11.5	-11.8	-24.7	12.1	11.2	15.5	-13.8	-11.0	-12.5	20.3	11.7	11.1	14.9	-14.6	-11.1	-11.5	-11.8	13.4
129.0	-15.9	-11.3	-12.3	21.4	11.7	11.4	17.3	-13.1	-11.0	-13.1	-17.5	11.4	11.3	16.0	-11.0	-11.8	-11.8	15.6
130.0	14.4	-14.4	-11.2	-12.9	17.5	11.4	11.7	20.4	-12.5	-11.1	-13.8	15.8	11.3	11.5	-17.6	-13.0	-10.9	12.1
131.0	11.4	15.9	-13.4	-11.1	-13.7	15.6	11.3	12.1	32.5	-12.0	-11.2	-14.8	14.7	11.1	11.8	20.2	-12.7	10.9

TABLE V. — Continued
 BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
132.0	12.0	11.5	18.4	-12.7	-11.2	-14.8	14.3	11.1	12.6	-20.0	-11.7	-11.3	-16.0	13.8	11.0	12.1	27.4	12.3
133.0	19.7	11.6	11.9	24.7	-12.2	-11.4	16.3	13.4	11.1	13.2	17.2	-11.5	-11.5	-17.7	13.2	11.0	12.5	22.4
134.0	-13.2	16.5	11.4	12.4	-21.2	-11.8	11.6	-18.7	12.8	11.2	14.0	-15.5	-11.3	-11.8	20.7	-36.5	11.0	13.0
135.0	-11.3	-14.1	14.8	11.3	13.0	-17.4	11.5	-12.0	-24.5	12.3	11.3	15.0	-14.4	-11.2	-12.2	12.2	11.1	11.1
136.0	-13.0	-11.4	-15.5	11.3	11.2	13.8	11.5	-11.3	12.4	22.0	11.9	11.4	16.4	-13.6	11.1	-12.7	12.0	11.9
137.0	21.3	-12.3	-11.6	-17.7	12.9	11.3	15.0	-14.2	-11.2	-13.0	17.9	11.6	11.7	18.5	-13.0	-11.1	11.2	18.0
138.0	138.0	12.2	-11.9	-11.9	-22.6	12.3	11.5	16.6	-13.3	-11.2	-13.8	16.0	11.4	12.0	22.9	-12.5	11.2	13.9
140.0	14.7	11.4	13.7	-15.5	-11.4	-13.0	17.8	11.6	12.1	30.0	-12.2	-11.4	-16.1	13.8	11.2	12.9	19.1	-11.3
141.0	-15.7	13.5	11.4	14.9	-14.2	-11.3	13.8	15.7	11.4	12.6	-20.4	-11.8	-11.7	-18.1	13.1	11.2	13.6	-11.8
142.0	-11.7	-18.3	12.8	11.5	16.8	-13.2	11.4	-14.9	14.3	11.3	13.3	-17.2	-11.6	-12.0	-22.2	12.5	11.3	14.4
143.0	-12.1	-12.0	-26.1	12.2	11.8	20.2	-12.6	-11.5	-16.6	13.4	11.3	14.1	-15.5	-11.4	12.4	25.0	12.1	11.4
144.0	-19.1	-11.7	-12.5	20.1	11.8	12.2	27.1	-12.1	11.8	-19.4	12.7	11.4	15.3	-14.3	-11.3	-12.9	19.1	11.8
145.0	13.4	-16.1	-11.5	-13.3	16.7	11.6	12.8	-18.8	-11.7	-12.2	-30.9	12.2	11.6	16.9	-13.4	-11.3	13.6	16.8
146.0	146.0	14.5	-14.4	-11.5	-14.3	14.9	11.5	13.6	-16.2	-11.5	-12.7	20.2	11.9	11.9	19.7	-12.8	11.4	14.5
147.0	13.4	11.6	16.4	-13.4	-11.5	-15.8	13.7	11.5	14.6	-14.7	-11.4	-13.4	-17.0	11.6	12.2	29.4	12.3	11.5
148.0	-19.4	12.6	11.8	13.6	-12.6	-11.7	18.2	12.9	11.6	16.2	-13.6	-11.4	-14.3	15.3	11.5	12.7	20.8	12.0
149.0	-12.2	28.1	12.1	12.2	-28.1	-12.1	-12.1	-24.7	12.3	11.8	18.7	-12.9	-11.5	-15.5	14.2	11.4	13.3	17.3
150.0	-11.8	-12.8	18.4	11.8	12.8	-18.6	-11.8	-12.6	20.9	11.9	12.2	25.8	-12.4	-11.7	-17.3	13.4	11.4	14.1
151.0	-16.3	-11.5	-13.7	15.7	11.6	13.7	16.0	-11.6	-13.3	17.1	11.7	12.6	-20.9	-12.0	12.0	-20.6	12.7	11.5
152.0	14.6	-14.5	-11.6	-15.0	14.2	11.6	-14.8	-14.4	-13.4	-11.6	-15.3	11.5	13.3	14.2	-15.5	-11.6	12.9	13.6
153.0	11.7	16.4	-13.4	-11.7	-17.0	13.2	11.7	16.7	-13.4	-11.6	-15.6	14.0	11.5	14.2	15.4	-11.6	12.9	13.6
154.0	12.9	11.9	20.1	-12.6	-12.1	-21.2	12.5	11.9	20.0	-12.7	-11.8	-17.7	-11.7	-17.3	-15.4	-11.6	12.9	13.6
155.0	-25.5	12.3	12.3	-24.9	-12.1	-12.4	23.2	12.1	12.3	-27.6	-12.2	-12.1	-22.1	23.2	12.1	12.0	20.6	12.8
156.0	-12.7	19.7	11.9	13.0	-17.9	-11.8	13.1	17.7	11.8	12.9	-18.8	-11.9	-12.5	-13.2	18.1	11.8	12.4	13.8
157.0	-11.8	-13.5	16.2	11.7	13.9	-15.5	-11.7	-14.0	15.5	11.7	13.7	-16.2	-14.6	-11.6	-14.0	15.9	11.7	13.0
158.0	-15.5	-11.7	-14.7	14.5	11.7	15.3	14.1	-11.7	-15.4	14.1	11.6	14.9	-14.6	-11.6	-14.0	15.1	14.6	11.6
159.0	15.3	14.0	-11.8	-16.7	13.4	11.8	17.6	-13.1	-11.8	-17.6	13.2	11.8	16.6	-13.6	11.6	-15.1	14.6	11.6
160.0	11.9	17.9	-13.0	-12.0	-20.7	12.6	12.1	23.0	-12.5	-12.1	-22.4	22.2	12.1	12.4	-12.9	-11.8	16.8	13.6
161.0	12.8	12.2	25.7	-12.4	-12.5	-23.5	12.2	12.6	-12.3	-12.1	-12.6	22.2	12.0	12.4	-40.9	-12.4	12.0	13.8
162.0	34.0	12.3	12.7	-19.6	-12.0	13.1	17.6	11.9	13.3	-17.1	-11.8	-13.3	17.6	12.9	12.9	-19.6	12.0	12.4
163.0	-12.9	18.4	11.9	13.6	-16.2	-11.8	14.1	15.4	11.7	14.4	-15.1	-11.7	-14.2	15.5	11.7	13.7	16.7	11.8
164.0	-11.9	-13.9	15.6	-11.8	14.8	-14.5	11.8	-15.6	14.0	11.8	15.9	-13.9	-11.8	-15.6	14.2	11.7	14.7	15.0
165.0	-15.4	-11.8	-15.3	14.1	11.9	16.9	-13.4	-11.9	-15.3	-25.3	12.5	12.3	26.4	-12.5	12.2	22.7	14.7	15.2
166.0	15.5	-13.9	-11.9	-17.9	13.1	12.1	21.1	-22.8	-15.2	-12.8	20.3	12.1	12.8	-20.2	-12.1	-12.7	14.7	12.0
167.0	12.0	18.4	-13.0	-12.3	-25.6	12.4	12.6	13.3	-17.5	-12.8	-13.6	16.7	11.9	13.6	16.8	-13.0	13.0	12.2
168.0	18.0	12.3	32.7	-12.4	-12.8	19.7	12.1	13.3	-17.5	-11.9	-13.6	14.7	11.9	11.8	-13.0	-15.0	11.8	17.9
169.0	-30.6	12.4	12.9	-18.7	12.0	-13.7	16.3	11.9	14.3	-15.3	-11.8	-14.7	14.9	11.8	14.7	-15.0	11.8	-14.2
170.0	-12.9	18.7	12.0	13.9	-15.8	-11.9	-14.9	14.5	11.9	15.9	-14.0	-11.9	-16.4	13.8	11.9	15.3	-13.9	11.8
171.0	-12.1	-13.9	15.7	-11.9	15.3	-14.2	-12.0	-17.0	13.4	12.0	18.6	-13.1	-12.1	-19.5	13.0	12.1	19.0	-13.1

TABLE V. — Concluded
 BESSEL FUNCTIONS OF ORDER 72 TO 89

ARG	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
12.0	-16.0	-11.9	-15.4	14.1	12.0	17.8	-13.2	-12.2	-21.4	12.7	12.4	28.6	-12.5	-12.5	32.4	12.4	12.4	28.5
12.5	15.2	-14.2	-12.0	-13.1	13.1	12.3	25.0	-12.5	-12.7	22.4	12.3	13.0	-19.6	-12.1	-13.1	19.1	12.1	13.0
13.0	12.0	17.7	-13.1	-12.4	-27.9	12.5	12.9	-19.9	12.1	-13.4	17.4	12.0	13.8	-16.4	-11.9	-13.9	16.3	11.9
13.5	13.4	12.3	26.0	-12.5	-12.3	19.1	12.1	13.7	-16.4	-12.0	14.4	15.2	11.9	15.0	14.8	-11.9	15.1	14.7
14.0	-22.4	12.6	12.9	-13.3	-12.1	-13.9	16.0	12.0	15.0	-14.6	12.0	-16.1	13.9	12.0	16.8	-13.7	12.0	16.9
14.5	-12.8	-13.6	12.2	12.0	-16.0	-12.0	-13.0	17.7	13.3	12.3	13.5	-12.1	-19.0	13.1	12.2	20.5	12.2	12.2
15.0	-17.2	-12.1	15.0	14.5	12.1	-17.8	12.1	-12.4	24.4	12.6	21.6	-22.8	-12.5	-37.0	12.5	12.7	25.4	12.4
15.5	14.5	-14.9	-12.1	-17.4	13.3	-17.4	25.5	-12.6	-12.9	20.2	12.2	13.5	-12.3	-12.1	-14.0	16.3	12.0	14.2
16.0	12.1	16.5	-13.6	-12.4	-23.8	12.6	13.0	-19.6	12.2	-13.7	16.5	12.0	14.6	-15.2	12.0	-15.2	14.6	12.0
16.5	14.0	12.3	21.1	-12.8	-12.9	20.0	12.2	13.8	16.2	-12.1	-15.0	14.7	12.0	16.2	-13.9	-12.1	17.3	13.6
17.0	-13.7	13.0	12.7	-21.6	-12.3	-13.8	16.3	12.1	15.2	-14.5	12.1	-17.1	13.6	12.2	19.3	-13.1	12.4	21.5
17.5	-12.5	27.9	12.4	13.5	-16.8	-12.1	-15.1	14.5	12.1	17.6	-13.4	-12.3	-21.6	12.8	12.6	-31.9	-12.6	12.8
18.0	-12.7	-12.3	17.9	12.2	14.8	-14.7	13.5	-17.5	13.4	12.4	23.6	-12.7	-12.3	22.3	12.4	13.2	-18.9	-12.2
18.5	-20.1	-16.2	-14.3	-16.2	12.1	17.0	-12.5	-12.4	-23.9	12.7	12.9	-20.5	-12.3	-13.5	17.4	12.1	14.1	-16.1
19.0	13.8	-16.2	-12.2	-16.2	13.8	12.4	22.2	-12.8	-13.0	20.2	12.3	13.8	-16.7	-12.1	-14.6	15.2	12.1	15.4
19.5	12.2	15.3	-14.3	-12.3	-20.1	23.4	12.4	-20.9	12.3	-13.8	16.5	12.1	15.0	14.8	-12.1	-16.4	14.0	12.2
20.0	15.1	12.2	18.1	-13.2	-12.7	-13.6	12.4	13.7	-16.7	-14.7	-15.1	14.6	12.2	17.1	13.7	-12.3	19.5	13.1
20.5	-16.4	13.7	12.5	30.5	-12.6	-13.6	17.3	15.0	12.2	17.2	-13.6	-12.5	-22.8	12.8	12.9	-23.5	-12.5	-13.3
21.0	-12.4	-20.8	12.9	13.2	-18.6	-12.3	-14.7	-16.7	12.2	12.5	22.6	-20.9	13.0	21.0	12.4	13.6	17.4	-12.2
21.5	-13.3	-12.8	21.6	12.4	14.2	-15.6	12.2	-12.4	13.7	12.9	13.0	-20.8	-12.4	-13.8	16.9	12.2	14.7	15.3
22.0	27.2	-12.6	-13.6	16.7	12.2	15.9	-14.0	-12.4	-21.1	12.9	12.4	13.8	-16.8	-12.2	15.0	14.9	12.2	16.4
22.5	13.1	-18.7	-12.3	-15.0	-17.5	13.4	19.2	-13.1	-12.9	22.1	12.4	12.2	15.1	-12.2	-12.2	-17.0	13.8	12.4
23.0	17.3	12.3	16.0	-14.0	-12.5	-24.8	12.7	13.4	-17.9	-12.3	-14.9	15.0	-12.3	17.2	-13.7	-12.5	-21.3	13.0
23.5	-14.7	14.9	12.4	19.7	-13.0	-13.1	19.5	12.4	14.5	-15.3	12.3	-17.0	13.7	12.5	22.1	-12.9	-12.9	22.8
24.0	-12.3	-17.0	13.6	12.8	-23.8	-12.5	-15.0	-15.6	12.3	16.4	13.9	-12.5	-21.6	13.0	13.0	-21.6	-12.5	-13.6
24.5	-14.4	-12.5	-23.3	12.8	13.5	-17.3	12.3	-12.4	14.3	12.4	20.2	-13.1	-13.0	21.8	12.5	13.8	17.1	-12.3
25.0	13.2	-13.3	-13.0	19.8	12.4	14.8	-15.0	-13.7	-18.6	13.3	12.8	-23.7	-12.6	-13.7	17.1	12.3	15.0	15.9
25.5	12.7	-34.2	-12.6	-14.0	16.1	12.3	17.0	-13.7	12.7	37.8	12.7	13.6	17.5	-12.3	-15.0	15.0	12.3	16.9
26.0	13.1	13.3	-18.0	-12.4	-15.6	14.3	12.5	22.4	-20.9	-13.3	14.5	12.4	14.8	-15.2	12.5	-17.0	13.8	12.5
26.5	23.5	12.5	14.5	-15.3	-12.4	-18.8	12.5	13.0	-12.5	-12.5	-18.4	15.7	12.3	-12.7	13.9	-17.0	13.4	13.0
27.0	-13.6	17.0	12.4	16.5	-13.8	12.7	13.2	12.7	13.9	-16.5	-12.3	-16.1	14.2	12.5	20.8	-13.1	13.0	22.4
27.5	-12.5	-15.0	14.7	12.5	21.3	-13.0	-13.4	18.0	12.4	15.4	-14.6	-12.5	19.5	13.2	12.9	-23.0	-12.6	13.7
28.0	-16.4	-12.4	-17.5	13.5	13.0	-21.2	-12.5	-44.6	15.3	12.4	18.0	-13.5	-12.8	26.3	12.7	-17.5	17.5	12.4
28.5	15.4	-14.4	-12.6	-26.0	12.8	13.9	-16.6	-14.6	-16.5	13.9	12.7	26.9	-12.8	-13.5	18.0	12.4	14.9	15.3
29.0	12.5	18.5	-13.3	-13.2	19.0	12.5	15.3	-14.6	-12.5	-20.9	13.1	13.3	-19.3	-12.5	14.6	15.5	14.4	16.8
29.5	14.2	12.8	-28.3	-12.7	-14.3	15.7	12.4	18.0	-13.5	-13.0	22.1	12.6	14.3	-12.5	-12.4	-16.4	14.1	12.6
30.0	-13.5	13.2	13.5	-17.8	-12.7	-16.1	14.1	12.7	29.2	-12.8	-13.8	17.0	12.4	15.8	-12.4	-16.5	20.1	13.6
30.5	-12.9	23.4	12.6	14.7	-15.1	-12.5	-20.0	13.2	13.3	-18.8	-12.5	-15.1	14.9	12.5	18.8	-13.4	12.9	24.8

TABLE VI. - Continued

BESSEL FUNCTIONS OF ORDER 90 TO 107

BESSEL FUNCTION ORDER

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	
8.0	393.2	399.9	399.9	393.9	395.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
8.2	399.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
8.4	393.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
8.6	393.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
8.8	393.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
9.0	393.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
9.2	399.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
9.4	399.2	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
9.6	749.7	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
9.8	741.7	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
10.0	753.2	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4
10.2	746.1	758.7	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1
10.4	738.6	751.0	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5
10.6	731.2	743.5	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
10.8	724.0	736.2	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5
11.0	716.8	729.0	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2
11.2	709.6	721.9	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
11.4	702.7	715.0	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1	727.1
11.6	695.2	707.5	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7
11.8	687.6	701.5	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
12.0	680.1	694.3	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7
12.2	672.4	686.8	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2
12.4	664.8	679.2	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6
12.6	657.1	671.5	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9
12.8	649.5	663.9	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
13.0	641.9	656.3	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7	668.7
13.2	634.3	648.7	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1
13.4	626.7	641.1	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
13.6	619.1	633.5	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
13.8	611.5	625.9	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3	638.3
14.0	603.9	618.3	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
14.2	596.3	610.7	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1
14.4	588.7	603.1	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5	615.5
14.6	581.1	595.5	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
14.8	573.5	587.9	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
15.0	565.9	580.3	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7
15.2	558.3	572.7	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1
15.4	550.7	565.1	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5
15.6	543.1	557.5	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
15.8	535.5	549.9	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3

TABLE VI. - Continued
 BESSEL FUNCTIONS OF ORDER 90 TO 107

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
16.0	572.0	582.5	593.1	603.7	614.4	625.1	635.9	646.7	657.5	668.4	679.4	690.4	701.4	712.5	723.6	734.7	745.9	757.2
16.2	567.2	577.7	588.2	598.8	609.4	620.1	630.8	641.5	652.3	663.2	674.0	685.0	695.9	707.0	718.0	729.1	740.3	751.5
16.4	562.5	572.9	583.4	593.9	604.5	615.1	625.7	636.4	647.2	658.0	668.8	679.7	690.6	701.5	712.6	723.6	734.7	745.8
16.6	557.9	568.2	578.6	589.1	599.6	610.1	620.7	631.4	642.1	652.8	663.6	674.4	685.2	696.2	707.1	718.1	729.2	740.3
16.8	553.2	563.4	573.9	584.3	594.8	605.3	615.8	626.4	637.1	647.7	658.5	669.2	680.0	690.9	701.8	712.7	723.7	734.8
17.0	548.7	559.0	569.3	579.6	590.0	600.5	611.0	621.5	632.1	642.7	653.4	664.1	674.9	685.7	696.5	707.4	718.4	729.3
17.2	544.2	554.4	564.7	575.0	585.3	595.7	606.2	616.7	627.2	637.8	648.4	659.1	669.8	680.5	691.3	702.2	713.0	724.0
17.4	539.8	549.9	560.1	570.4	580.7	591.0	601.4	611.9	622.3	632.9	643.4	654.1	664.7	675.4	686.2	697.0	707.8	718.7
17.6	535.4	545.5	555.7	565.9	576.1	586.4	596.7	607.1	617.6	628.0	638.6	649.1	659.7	670.4	681.1	691.8	702.6	713.4
17.8	531.1	541.1	551.2	561.4	571.6	581.8	592.1	602.4	612.8	623.3	633.7	644.2	654.8	665.4	676.1	686.7	697.5	708.2
18.0	526.8	536.8	546.8	556.9	567.1	577.3	587.5	597.8	608.2	618.5	629.0	639.4	649.9	660.5	671.1	681.7	692.4	703.1
18.2	522.6	532.5	542.5	552.6	562.7	572.8	583.0	593.2	603.5	613.9	624.2	634.7	645.1	655.6	666.2	676.8	687.4	698.1
18.4	518.4	528.3	538.2	548.2	558.3	568.4	578.5	588.7	599.0	609.2	619.6	629.9	640.3	650.8	661.3	671.8	682.4	693.0
18.6	514.2	524.1	534.0	544.0	554.0	564.0	574.1	584.3	594.4	604.7	615.0	625.3	635.6	646.0	656.5	667.0	677.5	688.1
18.8	510.1	520.0	529.8	539.7	549.7	559.7	569.7	579.8	590.0	600.2	610.4	620.7	631.0	641.3	651.7	662.2	672.7	683.3
19.0	506.1	515.9	525.7	535.5	545.5	555.4	565.4	575.5	585.6	595.7	605.9	616.1	626.4	636.7	647.0	657.4	667.9	678.4
19.2	502.1	511.8	521.6	531.4	541.3	551.2	561.1	571.1	581.2	591.3	601.4	611.6	621.8	632.1	642.4	652.7	663.1	673.6
19.4	498.1	507.8	517.5	527.3	537.1	547.0	556.9	566.9	576.9	586.9	597.0	607.1	617.3	627.5	637.8	648.1	658.4	668.8
19.6	494.2	503.9	513.5	523.3	533.0	542.8	552.7	562.6	572.6	582.6	592.6	602.7	612.8	623.0	633.2	643.5	653.8	664.2
19.8	490.4	499.9	509.6	519.2	528.9	538.7	548.6	558.4	568.3	578.1	588.3	598.3	608.4	618.6	628.7	639.0	649.2	659.5
20.0	486.6	496.1	505.6	515.3	525.0	534.7	544.5	554.3	564.2	574.1	584.0	594.0	604.1	614.2	624.3	634.5	644.7	654.9
20.2	482.8	492.2	501.6	511.4	521.0	530.7	540.4	550.2	560.0	569.9	579.8	589.7	599.7	609.8	619.9	630.0	640.2	650.4
20.4	479.0	488.4	497.9	507.5	517.1	526.7	536.4	546.1	555.9	565.7	575.6	585.5	595.5	605.5	615.5	625.6	635.7	645.9
20.6	475.3	484.7	494.1	503.6	513.2	522.8	532.4	542.1	551.8	561.6	571.4	581.3	591.2	601.2	611.2	621.2	631.3	641.4
20.8	471.6	480.9	490.4	499.8	509.3	518.9	528.5	538.1	547.8	557.6	567.3	577.2	587.0	597.0	606.9	616.9	626.6	636.7
21.0	467.9	477.3	486.6	496.1	505.5	515.0	524.6	534.2	543.8	553.5	563.3	573.1	582.9	592.8	602.7	612.6	622.6	632.7
21.2	464.3	473.6	482.9	492.3	501.7	511.2	520.7	530.3	539.9	549.6	559.3	569.0	578.8	588.6	598.5	608.4	618.4	628.3
21.4	460.8	470.0	479.3	488.6	498.0	507.4	516.9	526.4	536.0	545.6	555.3	565.0	574.7	584.5	594.3	604.2	614.1	624.1
21.6	457.2	466.4	475.7	485.0	494.3	503.7	513.1	522.6	532.1	541.7	551.3	561.0	570.7	580.4	590.2	600.0	609.9	619.8
21.8	453.7	462.8	472.1	481.4	490.7	500.0	509.4	518.8	528.3	537.8	547.4	557.0	566.7	576.4	586.1	595.9	605.8	615.6
22.0	450.3	459.4	468.6	477.8	487.0	496.3	505.7	515.1	524.5	534.0	543.5	553.1	562.7	572.4	582.1	591.9	601.7	611.5
22.2	446.9	455.9	465.0	474.2	483.4	492.7	502.0	511.4	520.8	530.2	539.7	549.2	558.8	568.4	578.1	587.8	597.6	607.4
22.4	443.5	452.5	461.6	470.7	479.9	489.1	498.4	507.7	517.0	526.5	535.9	545.4	554.9	564.5	574.2	583.8	593.5	603.3
22.6	440.1	449.1	458.1	467.2	476.3	485.5	494.8	504.0	513.2	522.7	532.1	541.6	551.1	560.6	570.2	579.9	589.5	599.3
22.8	436.8	445.7	454.7	463.8	472.9	482.0	491.2	500.4	509.7	519.0	528.4	537.8	547.3	556.8	566.4	575.9	585.6	595.3
23.0	433.5	442.4	451.3	460.3	469.4	478.5	487.5	496.9	506.1	515.4	524.7	534.1	543.5	553.0	562.5	572.1	581.7	591.3
23.2	430.2	439.0	447.8	456.8	465.8	474.8	484.2	493.3	502.5	511.8	521.1	530.4	539.8	549.2	558.7	568.2	577.8	587.4
23.4	426.9	435.8	444.7	453.6	462.6	471.6	480.7	489.8	499.0	508.2	517.4	526.7	536.1	545.5	554.9	564.4	573.9	583.5
23.6	423.7	432.5	441.4	450.3	459.2	468.2	477.2	486.3	495.5	504.6	513.8	523.1	532.4	541.8	551.2	560.6	570.1	579.6
23.8	420.5	429.3	438.1	447.0	455.9	464.8	473.8	482.9	492.0	501.1	510.3	519.5	528.8	538.1	547.5	556.9	566.3	575.8

TABLE VI. - Continued

BESSEL FUNCTIONS OF ORDER 90 TO 107

BESSEL FUNCTION ORDER																		
ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
24.0	417.4	426.1	434.9	443.7	452.6	461.5	470.4	479.5	488.5	497.6	506.8	515.9	525.2	534.5	543.8	553.1	562.5	572.0
24.2	414.3	422.9	431.7	440.5	449.3	458.2	467.1	476.1	485.1	494.1	503.3	512.4	521.6	530.8	540.1	549.5	558.8	568.2
24.4	411.2	419.8	428.5	437.3	446.0	454.9	463.8	472.7	481.7	490.7	499.8	508.9	518.1	527.3	536.5	545.8	555.1	564.5
24.6	408.1	416.7	425.4	434.1	442.8	451.6	460.5	469.4	478.3	487.3	496.3	505.4	514.6	523.7	532.9	542.2	551.5	560.8
24.8	405.0	413.6	422.2	430.9	439.6	448.4	457.2	466.1	475.0	483.9	492.9	502.0	511.1	520.2	529.4	538.6	547.8	557.1
25.0	402.0	410.6	419.2	427.8	436.5	445.2	454.0	462.8	471.7	480.6	489.6	498.6	507.6	516.7	525.9	535.0	544.3	553.5
25.2	399.0	407.5	416.1	424.7	433.3	442.0	450.8	459.6	468.4	477.3	486.2	495.2	504.2	513.3	522.4	531.5	540.7	549.9
25.4	396.1	404.5	413.1	421.6	430.2	438.9	447.6	456.4	465.2	474.0	482.9	491.8	500.8	509.8	518.9	528.0	537.2	546.3
25.6	393.1	401.6	410.0	418.6	427.1	435.8	444.4	453.2	461.9	470.7	479.6	488.5	497.4	506.4	515.5	524.5	533.6	542.8
25.8	390.2	398.6	407.1	415.5	424.1	432.7	441.3	450.0	458.7	467.5	476.3	485.2	494.1	503.1	512.1	521.1	530.2	539.3
26.0	387.3	395.7	404.1	412.5	421.1	429.6	438.2	446.9	455.6	464.3	473.1	481.9	490.8	499.7	508.7	517.7	526.7	535.8
26.2	384.5	392.8	401.2	409.6	418.0	426.6	435.1	443.8	452.4	461.1	469.9	478.7	487.5	496.4	505.3	514.3	523.3	532.4
26.4	381.6	389.9	398.2	406.6	415.1	423.6	432.1	440.7	449.3	458.0	466.7	475.4	484.3	493.1	502.0	510.9	519.9	528.9
26.6	378.8	387.2	395.4	403.7	412.1	420.6	429.1	437.6	446.2	454.8	463.5	472.2	481.0	489.8	498.7	507.6	516.5	525.5
26.8	376.0	384.4	392.5	400.8	409.2	417.6	426.1	434.6	443.1	451.7	460.4	469.1	477.8	486.6	495.4	504.3	513.2	522.2
27.0	373.2	381.4	389.6	397.9	406.3	414.7	423.1	431.6	440.1	448.7	457.3	465.9	474.6	483.4	492.2	501.0	509.9	518.8
27.2	370.5	378.6	386.8	395.1	403.4	411.7	420.1	428.6	437.1	445.6	454.2	462.8	471.5	480.2	489.0	497.8	506.6	515.5
27.4	367.7	375.9	384.0	392.2	400.5	408.8	417.2	425.6	434.1	442.6	451.1	459.7	468.4	477.0	485.8	494.5	503.4	512.2
27.6	365.0	373.1	381.3	389.4	397.7	406.0	414.3	422.7	431.1	439.6	448.1	456.6	465.3	473.9	482.6	491.3	500.1	508.9
27.8	362.3	370.4	378.5	386.7	394.9	403.1	411.4	419.8	428.1	436.6	445.1	453.6	462.2	470.8	479.5	488.2	496.9	505.7
28.0	359.7	367.7	375.8	383.9	392.1	400.3	408.5	416.9	425.2	433.6	442.1	450.6	459.1	467.7	476.3	485.0	493.7	502.5
28.2	357.0	365.0	373.1	381.1	389.3	397.5	405.7	414.0	422.3	430.7	439.1	447.6	456.1	464.6	473.2	481.9	490.6	499.3
28.4	354.4	362.4	370.4	378.4	386.5	394.7	402.9	411.1	419.4	427.8	436.2	444.6	453.1	461.6	470.2	478.8	487.4	496.1
28.6	351.8	359.7	367.7	375.7	383.8	391.9	400.1	408.3	416.6	424.9	433.2	441.6	450.1	458.6	467.1	475.7	484.3	493.0
28.8	349.2	357.1	365.1	373.1	381.1	389.2	397.3	405.5	413.7	422.0	430.3	438.7	447.1	455.6	464.1	472.6	481.2	489.9
29.0	346.7	354.5	362.4	370.4	378.4	386.5	394.6	402.7	410.9	419.2	427.5	435.8	444.2	452.6	461.1	469.6	478.2	486.8
29.2	344.1	351.9	359.8	367.8	375.7	383.8	391.8	400.0	408.1	416.3	424.6	432.9	441.3	449.7	458.1	466.6	475.1	483.7
29.4	341.6	349.4	357.2	365.1	373.1	381.1	389.1	397.2	405.4	413.5	421.8	430.1	438.4	446.7	455.1	463.6	472.1	480.6
29.6	339.1	346.8	354.7	362.5	370.5	378.4	386.4	394.5	402.6	410.8	419.0	427.2	435.5	443.8	452.2	460.6	469.1	477.6
29.8	336.6	344.3	352.1	360.0	367.8	375.8	383.8	391.8	399.9	408.0	416.2	424.4	432.6	440.9	449.3	457.7	466.1	474.6
30.0	334.1	341.8	349.6	357.4	365.3	373.2	381.1	389.1	397.2	405.3	413.4	421.6	429.8	438.1	446.4	454.8	463.2	471.6
30.2	331.7	339.4	347.1	354.9	362.7	370.6	378.5	386.5	394.5	402.5	410.6	418.8	427.0	435.2	443.5	451.9	460.2	468.6
30.4	329.2	336.9	344.6	352.3	360.1	368.0	375.9	383.8	391.8	399.8	407.9	416.0	424.2	432.4	440.7	449.0	457.3	465.7
30.6	326.8	334.4	342.1	349.8	357.6	365.4	373.3	381.2	389.1	397.1	405.2	413.3	421.4	429.6	437.8	446.1	454.4	462.8
30.8	324.4	332.0	339.7	347.3	355.1	362.9	370.7	378.6	386.5	394.5	402.5	410.6	418.7	426.8	435.0	443.3	451.5	459.9
31.0	322.1	329.6	337.2	344.9	352.6	360.3	368.1	376.0	383.9	391.8	399.8	407.9	415.9	424.1	432.2	440.4	448.7	457.0
31.2	319.7	327.2	334.8	342.4	350.1	357.8	365.6	373.4	381.3	389.2	397.2	405.2	413.2	421.3	429.5	437.6	445.9	454.1
31.4	317.4	324.9	332.4	340.0	347.6	355.3	363.1	370.9	378.7	386.6	394.5	402.5	410.5	418.6	426.7	434.9	443.1	451.3
31.6	315.0	322.5	330.0	337.6	345.2	352.9	360.6	368.3	376.2	384.0	391.9	399.9	407.9	415.9	424.0	432.1	440.3	448.5
31.8	312.7	320.2	327.6	335.2	342.8	350.4	358.1	365.8	373.6	381.4	389.3	397.2	405.2	413.2	421.3	429.3	437.5	445.7

TABLE VI. — Continued
 BESSEL FUNCTIONS OF ORDER 90 TO 107

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
32.0	310.4	317.8	325.3	332.8	340.4	348.0	355.6	363.3	371.1	378.9	386.7	394.6	402.6	410.5	418.6	426.6	434.7	442.9
32.5	304.8	312.1	319.5	326.9	334.4	342.0	349.5	357.2	364.9	372.6	380.4	388.2	396.0	403.9	411.9	419.9	427.9	436.0
33.0	299.2	306.5	313.8	321.2	328.6	336.0	343.5	351.1	358.7	366.4	374.1	381.8	389.6	397.5	405.3	413.3	421.2	429.3
33.5	293.7	300.9	308.2	315.5	322.8	330.2	337.7	345.2	352.7	360.3	367.9	375.6	383.3	391.1	398.9	406.8	414.7	422.6
34.0	288.4	295.5	302.7	309.9	317.2	324.5	331.9	339.3	346.8	354.3	361.9	369.5	377.1	384.8	392.6	400.4	408.2	416.1
34.5	283.1	290.1	297.2	304.4	311.6	318.9	326.2	333.5	340.9	348.4	355.9	363.4	371.0	378.7	386.3	394.1	401.8	409.6
35.0	277.9	284.9	291.9	299.0	306.2	313.3	320.6	327.9	335.2	342.6	350.0	357.5	365.0	372.6	380.2	387.9	395.6	403.3
35.5	272.8	279.7	286.7	293.7	300.8	307.9	315.1	322.3	329.6	336.9	344.3	351.7	359.1	366.6	374.2	381.8	389.4	397.1
36.0	267.8	274.6	281.5	288.5	295.5	302.5	309.7	316.8	324.0	331.3	338.6	345.9	353.3	360.8	368.2	375.8	383.3	391.0
36.5	262.6	269.6	276.5	283.3	290.3	297.3	304.3	311.4	318.6	325.8	333.0	340.3	347.6	355.0	362.4	369.9	377.4	384.9
37.0	257.0	264.7	271.5	278.3	285.2	292.1	299.1	306.1	313.2	320.3	327.5	334.7	342.0	349.3	356.7	364.1	371.5	379.0
37.5	251.2	259.8	266.6	273.3	280.1	287.0	293.9	300.9	307.9	315.0	322.1	329.2	336.4	343.7	351.0	358.3	365.7	373.1
38.0	245.1	255.1	261.7	268.4	275.2	282.0	288.8	295.8	302.7	309.7	316.8	323.8	331.0	338.2	345.4	352.7	360.0	367.4
38.5	239.4	250.4	257.0	263.6	270.3	277.0	283.8	290.7	297.6	304.5	311.5	318.5	325.6	332.7	339.9	347.1	354.4	361.7
39.0	233.8	245.8	252.3	258.9	265.5	272.2	278.9	285.7	292.5	299.4	306.3	313.3	320.3	327.4	334.5	341.7	348.9	356.1
39.5	228.4	241.2	247.7	254.2	260.8	267.4	274.1	280.8	287.6	294.4	301.2	308.2	315.1	322.1	329.2	336.3	343.5	350.6
40.0	223.1	236.7	243.1	249.6	256.1	262.7	269.3	275.9	282.7	289.4	296.2	303.1	310.0	316.9	323.9	331.0	338.0	345.2
40.5	217.7	232.3	238.7	245.1	251.5	258.0	264.6	271.2	277.8	284.5	291.3	298.1	304.9	311.8	318.7	325.7	332.7	339.8
41.0	212.4	228.0	234.3	240.6	247.0	253.4	259.9	266.5	273.1	279.7	286.4	293.1	299.9	306.8	313.6	320.6	327.5	334.5
41.5	207.2	223.7	229.9	236.2	242.5	248.9	255.4	261.9	268.4	275.0	281.6	288.3	295.0	301.8	308.6	315.5	322.4	329.3
42.0	202.1	219.5	225.7	231.9	238.2	244.5	250.9	257.3	263.8	270.3	276.9	283.5	290.2	296.9	303.6	310.4	317.3	324.2
42.5	197.1	215.3	221.5	227.6	233.8	240.1	246.4	252.8	259.2	265.7	272.2	278.8	285.4	292.0	298.8	305.5	312.3	319.1
43.0	192.2	211.2	217.3	223.4	229.6	235.8	242.1	248.4	254.7	261.2	267.6	274.1	280.7	287.3	293.9	300.6	307.4	314.2
43.5	187.4	207.2	213.2	219.3	225.4	231.5	237.7	244.0	250.3	256.7	263.1	269.5	276.0	282.6	289.2	295.8	302.5	309.2
44.0	182.7	203.3	209.2	215.2	221.2	227.3	233.5	239.7	246.0	252.3	258.6	265.0	271.5	278.0	284.5	291.1	297.7	304.4
44.5	178.1	199.3	205.2	211.2	217.2	223.2	229.3	235.5	241.7	247.9	254.2	260.5	266.9	273.4	279.9	286.4	293.0	299.6
45.0	173.6	195.5	201.3	207.2	213.2	219.1	225.2	231.3	237.4	243.6	249.9	256.1	262.5	268.9	275.3	281.8	288.3	294.9
45.5	169.1	191.7	197.5	203.3	209.2	215.1	221.1	227.2	233.2	239.4	245.6	251.8	258.1	264.4	270.8	277.2	283.7	290.2
46.0	164.6	188.0	193.7	199.5	205.3	211.2	217.1	223.1	229.1	235.2	241.3	247.5	253.8	260.0	266.4	272.7	279.2	285.6
46.5	160.1	184.3	189.9	195.7	201.4	207.3	213.1	219.1	225.1	231.1	237.2	243.3	249.5	255.7	262.0	268.3	274.7	281.1
47.0	155.7	180.6	186.2	191.9	197.6	203.4	209.2	215.1	221.1	227.0	233.0	239.0	245.3	251.4	257.7	263.9	270.2	276.6
47.5	151.2	177.0	182.6	188.2	193.9	199.6	205.4	211.2	217.1	223.0	229.0	235.0	241.1	247.2	253.4	259.6	265.9	272.2
48.0	146.8	173.5	179.0	184.6	190.2	195.9	201.6	207.4	213.2	219.0	225.0	231.0	237.0	243.1	249.2	255.4	261.6	267.8
48.5	142.4	170.0	175.5	181.0	186.6	192.2	197.9	203.6	209.4	215.2	221.1	227.0	233.0	239.0	245.0	251.2	257.3	263.5
49.0	138.0	166.6	172.0	177.5	183.0	188.5	194.2	199.8	205.6	211.3	217.2	223.0	229.0	234.9	240.9	247.0	253.1	259.3
49.5	133.7	163.2	168.6	174.0	179.4	185.0	190.5	196.1	201.8	207.5	213.3	219.1	225.0	230.9	236.9	242.9	248.9	255.1
50.0	129.4	159.9	165.2	170.5	176.0	181.4	186.9	192.5	198.1	203.8	209.5	215.3	221.1	227.0	232.9	238.9	244.9	250.9
50.5	125.1	156.6	161.8	167.2	172.5	177.9	183.4	188.9	194.5	200.1	205.8	211.5	217.3	223.1	229.0	234.9	240.8	246.8
51.0	120.8	153.4	158.6	163.8	169.1	174.5	179.9	185.4	190.9	196.5	202.1	207.8	213.5	219.3	225.1	230.9	236.8	242.8
51.5	116.5	150.2	155.3	160.5	165.8	171.1	176.4	181.9	187.3	192.9	198.4	204.1	209.7	215.5	221.3	227.1	232.9	238.8

TABLE VI. - Continued
 BESSEL FUNCTIONS OF ORDER 90 TO 107

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
52.0	142.0	147.0	152.1	157.3	162.5	167.7	173.0	178.4	183.8	189.3	194.8	200.4	206.0	211.7	217.4	223.2	229.0	234.9
52.5	135.9	143.9	149.0	154.1	159.2	164.4	169.7	175.0	180.4	185.8	191.3	196.8	202.4	208.0	213.7	219.4	225.2	231.0
53.0	132.9	137.8	142.8	147.8	152.8	157.9	163.1	168.3	173.6	178.9	184.3	189.8	195.2	200.8	206.4	212.0	217.7	223.4
53.5	130.0	134.8	139.7	144.7	149.7	154.8	159.9	165.1	170.3	175.6	180.9	186.3	191.7	197.2	202.7	208.3	214.0	219.6
54.0	127.1	131.9	136.8	141.7	146.6	151.6	156.7	161.8	167.0	172.3	177.5	182.9	188.3	193.7	199.2	204.7	210.3	215.9
54.5	124.3	129.0	133.8	138.7	143.6	148.6	153.6	158.7	163.8	169.0	174.2	179.5	184.8	190.2	195.7	201.2	206.7	212.3
55.0	121.5	126.2	130.9	135.7	140.6	145.5	150.5	155.5	160.6	165.7	170.9	176.2	181.5	186.8	192.2	197.6	203.1	208.7
55.5	118.7	123.3	128.0	132.8	137.6	142.5	147.4	152.4	157.5	162.5	167.7	172.9	178.1	183.4	188.8	194.2	199.6	205.1
56.0	115.9	120.6	125.2	129.9	134.7	139.5	144.4	149.4	154.3	159.4	164.5	169.6	174.8	180.1	185.4	190.7	196.1	201.6
56.5	113.3	117.8	122.4	127.1	131.8	136.6	141.4	146.3	151.3	156.3	161.3	166.4	171.6	176.8	182.0	187.4	192.7	198.1
57.0	110.7	115.1	119.7	124.3	129.0	133.7	138.5	143.4	148.3	153.2	158.2	163.3	168.4	173.5	178.7	184.0	189.3	194.7
57.5	108.0	112.5	117.0	121.6	126.2	130.9	135.6	140.4	145.3	150.2	155.1	160.1	165.2	170.3	175.5	180.7	186.0	191.3
58.0	105.5	109.9	114.3	118.9	123.4	128.1	132.8	137.5	142.3	147.2	152.1	157.1	162.1	167.1	172.3	177.4	182.7	187.9
58.5	102.9	107.3	111.7	116.2	120.7	125.3	129.9	134.6	139.4	144.2	149.1	154.0	159.0	164.0	169.1	174.2	179.4	184.6
59.0	100.4	104.7	109.1	113.5	118.0	122.6	127.2	131.8	136.5	141.3	146.1	151.0	155.9	160.9	165.9	171.0	176.2	181.3
59.5	98.0	102.2	106.5	110.9	115.4	119.9	124.4	129.0	133.7	138.4	143.2	148.0	152.9	157.9	162.8	167.9	173.0	178.1
60.0	95.6	99.8	104.0	108.4	112.8	117.2	121.7	126.3	130.9	135.6	140.3	145.1	149.9	154.8	159.8	164.8	169.8	174.9
60.5	93.2	97.3	101.6	105.8	110.2	114.6	119.0	123.6	128.1	132.8	137.5	142.2	147.0	151.9	156.8	161.7	166.7	171.8
61.0	90.8	94.9	99.1	103.3	107.6	112.0	116.4	120.9	125.4	130.0	134.7	139.4	144.1	148.9	153.8	158.7	163.6	168.6
61.5	88.5	92.6	96.7	100.9	105.1	109.4	113.8	118.2	122.7	127.3	131.9	136.5	141.2	146.0	150.8	155.7	160.6	165.6
62.0	86.2	90.2	94.3	98.5	102.7	106.9	111.3	115.6	120.1	124.6	129.1	133.7	138.4	143.1	147.9	152.7	157.6	162.5
62.5	84.0	87.9	92.0	96.1	100.2	104.4	108.7	113.1	117.5	121.9	126.4	131.0	135.6	140.3	145.0	149.8	154.6	159.5
63.0	81.8	85.7	89.7	93.7	97.8	102.0	106.2	110.5	114.9	119.3	123.8	128.3	132.9	137.5	142.2	146.9	151.7	156.5
63.5	79.6	83.4	87.4	91.4	95.5	99.6	103.8	108.0	112.3	116.7	121.1	125.6	130.1	134.7	139.4	144.1	148.8	153.6
64.0	77.4	81.3	85.1	89.1	93.1	97.2	101.4	105.6	109.8	114.1	118.5	123.0	127.4	132.0	136.6	141.2	145.9	150.7
64.5	75.3	79.1	82.9	86.9	90.8	94.9	99.0	103.1	107.3	111.6	116.0	120.3	124.8	129.3	133.8	138.5	143.1	147.8
65.0	73.2	77.0	80.8	84.6	88.6	92.6	96.6	100.7	104.9	109.1	113.4	117.8	122.2	126.6	131.1	135.7	140.3	145.0
65.5	71.2	74.9	78.6	82.4	86.3	90.3	94.3	98.4	102.5	106.7	110.9	115.2	119.6	124.0	128.5	133.0	137.6	142.2
66.0	69.2	72.8	76.5	80.3	84.1	88.0	92.0	96.0	100.1	104.2	108.5	112.7	117.0	121.4	125.8	130.3	134.8	139.4
66.5	67.2	70.8	74.4	78.2	82.0	85.8	89.7	93.7	97.8	101.9	106.0	110.2	114.5	118.8	123.2	127.7	132.2	136.7
67.0	65.2	68.8	72.4	76.1	79.8	83.6	87.5	91.4	95.4	99.5	103.6	107.8	112.0	116.3	120.7	125.0	129.5	134.0
67.5	63.2	66.8	70.4	74.0	77.7	81.5	85.3	89.2	93.2	97.2	101.2	105.4	109.6	113.8	118.1	122.5	126.9	131.3
68.0	61.4	64.9	68.4	72.0	75.6	79.4	83.1	86.8	90.9	94.9	98.9	103.0	107.1	111.3	115.6	119.9	124.3	128.7
68.5	59.6	63.1	66.5	70.0	73.6	77.3	81.0	84.8	88.7	92.6	96.6	100.6	104.7	108.9	113.1	117.4	121.7	126.1
69.0	57.8	61.1	64.5	68.0	71.6	75.2	78.9	82.7	86.5	90.4	94.3	98.3	102.4	106.5	110.7	114.9	119.2	123.5
69.5	56.0	59.3	62.6	66.1	69.6	73.2	76.8	80.6	84.4	88.2	92.1	96.0	100.1	104.1	108.3	112.5	116.7	121.0
70.0	54.2	57.5	60.8	64.2	67.7	71.2	74.8	78.5	82.2	86.0	89.9	93.8	97.8	101.8	105.9	110.0	114.2	118.5
70.5	52.5	55.7	59.0	62.3	65.7	69.2	72.8	76.4	80.1	83.9	87.7	91.6	95.5	99.5	103.5	107.6	111.8	116.0
71.0	50.8	53.9	57.2	60.5	63.8	67.3	70.8	74.4	78.0	81.8	85.5	89.4	93.3	97.2	101.2	105.3	109.4	113.6

TABLE VI. — Continued
 BESSEL FUNCTIONS OF ORDER 90 TO 107

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
92.0	3.7	9.2	10.0	11.0	12.2	13.4	14.9	16.4	18.1	19.8	21.7	23.7	25.7	27.9	30.1	32.4	34.8	37.3
93.0	3.3	8.7	9.3	10.1	11.0	12.2	13.4	14.8	16.4	18.0	19.8	21.6	23.6	25.7	27.8	30.0	32.3	34.7
94.0	3.0	8.3	8.7	9.3	10.1	11.0	12.2	13.4	14.8	16.4	18.0	19.8	21.6	23.6	25.6	27.7	30.0	32.3
95.0	3.6	8.3	8.4	8.7	9.3	10.1	11.1	12.2	13.4	14.8	16.4	18.0	19.7	21.6	23.5	25.5	27.7	29.9
96.0	3.5	8.6	8.3	8.4	8.7	9.3	10.1	11.1	12.2	13.4	14.8	16.3	18.0	19.7	21.5	23.5	25.4	27.6
97.0	11.2	9.4	8.6	8.3	8.4	8.7	9.3	10.1	11.1	12.2	13.4	14.8	16.3	17.9	19.7	21.5	23.4	25.4
98.0	15.5	11.2	9.4	8.6	8.3	8.4	8.8	9.4	10.1	11.1	12.2	13.4	14.8	16.3	17.9	19.6	21.5	23.4
99.0	-16.3	15.3	11.1	9.4	8.6	8.3	8.4	8.8	9.4	10.1	11.1	12.2	13.4	14.8	16.3	17.9	19.6	21.4
100.0	-11.6	15.7	15.1	11.1	9.4	8.6	8.4	8.4	8.8	9.4	10.2	11.1	12.2	13.4	14.8	16.3	17.9	19.6
101.0	-9.9	11.7	-17.0	15.0	11.0	9.4	8.6	8.4	8.5	8.8	9.4	10.2	11.1	12.2	13.4	14.8	16.3	17.9
102.0	-3.4	-9.9	-11.8	-17.4	14.8	11.0	9.4	8.6	8.4	8.5	8.8	9.4	10.2	11.1	12.2	13.4	14.8	16.3
103.0	-9.9	-9.4	-10.0	-11.9	-17.8	14.6	11.0	9.4	8.7	8.4	8.5	8.8	9.4	10.2	11.1	12.2	13.4	14.8
104.0	-11.8	-9.9	-9.4	-10.0	-12.0	-18.2	14.5	10.9	9.4	8.4	8.5	8.5	8.9	9.4	10.2	11.2	12.2	13.5
105.0	-18.7	-11.7	-9.9	-9.5	-10.1	-12.1	-18.6	14.4	10.9	9.4	8.7	8.4	8.5	8.9	9.5	10.2	11.2	12.2
106.0	13.9	-17.3	-11.6	-9.8	-9.5	-9.5	-12.2	-19.1	-14.2	10.9	9.4	8.7	8.4	8.5	8.9	9.5	10.2	11.2
107.0	10.7	14.2	-17.2	-14.5	-9.8	-9.5	-9.5	-12.3	-19.7	14.1	10.8	9.4	8.7	8.5	8.6	8.9	9.5	10.3
108.0	9.9	9.9	11.0	14.9	-11.4	-9.8	-9.8	-9.5	-10.3	-20.3	14.0	10.8	9.4	8.5	8.5	8.6	8.9	9.5
109.0	10.4	9.9	11.0	14.9	-16.2	-11.3	-9.8	-9.5	-10.3	-12.6	-21.0	13.9	10.8	8.5	8.7	8.5	8.6	9.0
110.0	12.9	10.4	9.9	11.1	15.3	-15.7	-11.2	-9.8	-9.6	-10.4	-12.7	-21.9	13.8	9.4	9.4	8.7	8.5	8.6
111.0	-23.2	12.7	10.3	10.0	11.2	15.7	-15.4	-11.1	-9.7	-9.6	-10.5	-22.8	13.8	10.7	10.7	8.7	8.5	8.6
112.0	-12.3	-30.7	12.5	10.3	10.0	11.4	16.1	-15.0	-11.0	-9.7	-9.6	-10.5	-22.9	13.7	10.7	8.7	8.5	8.6
113.0	-13.4	-12.6	25.2	12.2	10.2	10.1	11.5	16.7	-14.7	-11.0	-9.7	-10.5	-22.9	-24.2	13.6	10.7	9.4	8.7
114.0	-10.5	-10.5	-12.9	21.7	12.1	10.2	10.1	11.6	17.2	-14.4	-10.9	-9.6	-10.6	-13.1	13.2	10.7	9.4	8.7
115.0	-12.3	-10.3	-10.6	-13.2	19.8	11.9	10.1	10.2	11.8	17.9	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
116.0	-23.6	-12.1	-10.8	-10.7	-13.5	18.5	11.7	10.1	10.2	11.9	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
117.0	12.9	-20.4	-11.8	-10.3	-10.8	-13.9	17.5	11.6	10.1	10.3	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
118.0	10.6	13.3	-18.6	-11.7	-10.3	-10.9	-14.3	16.8	11.4	10.3	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
119.0	10.7	10.8	13.7	-17.4	-11.5	-10.3	-11.0	-14.7	15.1	10.1	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
120.0	13.0	10.6	10.9	14.2	-16.4	-11.3	-10.3	-11.2	-15.2	15.6	-14.2	-10.8	-9.7	-9.7	-10.7	-13.3	10.7	13.3
121.0	-22.5	12.6	10.5	11.0	14.7	-15.7	-10.3	-11.2	-15.2	-15.6	11.2	10.1	10.5	12.6	12.8	-13.2	-10.6	-9.7
122.0	-12.3	-41.3	12.3	10.5	11.2	15.3	-15.1	-11.1	-10.3	-11.5	-16.4	14.7	11.0	10.5	10.6	13.0	-29.6	-12.9
123.0	-10.7	-12.6	22.6	12.0	10.8	11.3	16.1	-14.5	-11.0	-10.3	-11.6	14.7	11.0	10.9	10.6	13.0	-29.6	-12.9
124.0	-11.3	-10.7	-13.0	19.7	11.5	10.5	11.5	16.9	-14.1	-10.9	-11.6	-17.1	14.3	10.9	10.8	10.7	13.2	-24.6
125.0	-15.3	-11.1	-10.8	-13.5	17.9	11.6	10.5	11.7	18.0	-13.7	-10.8	-10.4	-12.0	-19.0	13.7	10.8	10.1	10.8
126.0	15.4	-14.5	-11.0	-10.9	-14.0	16.7	11.4	10.5	11.9	19.4	-13.3	-10.7	-10.5	-12.2	12.4	13.4	13.2	10.1
127.0	11.4	16.4	-13.9	-10.9	-11.0	-14.5	15.8	11.3	10.6	12.1	-21.4	-13.0	-10.6	-10.5	-22.3	-13.2	-13.2	10.6
128.0	10.9	11.6	17.8	-13.4	-10.8	-11.2	-15.2	15.1	11.1	10.6	12.4	-25.4	-12.8	-10.6	-10.6	-25.8	-25.8	13.0
129.0	12.9	10.8	11.8	-19.8	-13.0	-10.8	-11.4	-16.0	14.5	11.0	10.7	12.7	-28.8	-12.5	-10.5	-10.6	-12.8	32.1
130.0	-23.9	12.5	10.8	12.1	23.6	-12.6	-10.7	-11.5	-17.0	14.0	10.9	10.9	13.0	-22.6	-12.3	-10.5	-10.7	-13.1
131.0	-12.4	25.4	12.1	10.8	12.5	-27.9	-12.3	-10.7	-11.8	-18.3	13.5	10.8	10.8	13.3	-20.2	-12.1	-10.5	-10.8

TABLE VI. — Continued
 BESSEL FUNCTIONS OF ORDER 90 TO 107

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
132.0	-10.9	-12.9	20.1	11.9	10.9	12.8	-21.2	-12.0	-10.7	-12.0	-20.1	13.2	10.8	10.9	13.7	-18.7	11.9	-10.5
133.0	-12.0	-11.0	-13.4	17.9	11.6	10.9	13.3	-18.8	11.8	-10.7	-12.3	-23.1	12.8	10.7	11.0	14.1	-17.6	-11.8
134.0	-13.8	-11.7	-11.1	-14.0	16.4	11.4	11.0	13.8	-17.2	-11.6	-10.8	-12.6	42.0	12.6	10.7	11.1	14.5	-16.7
135.0	13.5	-16.9	-11.5	-11.3	-14.7	15.4	11.3	11.1	14.4	-16.1	-11.4	-10.8	12.9	23.1	12.3	10.7	11.3	15.0
136.0	11.2	14.3	-15.6	-11.2	-11.3	-15.6	14.6	11.1	11.3	15.1	-15.3	-11.3	10.9	-13.3	20.1	12.1	10.6	11.4
137.0	11.5	11.3	15.2	-14.7	-11.2	-11.5	-16.7	14.0	11.0	11.4	-15.9	-14.6	-11.2	-11.0	-13.7	18.4	11.9	10.6
138.0	15.2	11.4	11.5	15.4	-13.9	-11.1	-11.8	-18.2	13.4	11.0	11.6	16.9	14.0	-11.1	11.1	-14.1	17.2	11.7
139.0	-14.7	15.1	11.3	11.7	18.0	-13.4	-11.0	-12.0	-20.5	13.0	10.9	11.8	18.3	-13.6	11.0	-11.2	-14.6	15.3
140.0	-11.5	-15.3	14.2	11.2	12.0	20.6	-12.9	-11.0	-12.3	-26.0	12.6	10.9	12.1	20.3	13.2	-10.9	-11.4	15.3
141.0	-11.5	-17.3	13.5	13.5	11.1	12.3	27.7	-12.5	-11.0	-12.7	24.3	12.3	10.9	12.4	24.2	-12.8	-10.9	11.5
142.0	-15.4	-11.4	-11.9	-19.6	13.0	11.1	12.7	-22.8	-12.2	-11.0	-13.1	-20.1	12.0	10.9	12.7	-28.1	-12.5	10.9
143.0	15.4	-14.4	-11.3	-12.2	-24.9	12.5	11.1	13.2	-19.2	-11.9	-11.1	-13.6	18.0	11.8	11.0	13.1	-21.6	-12.2
144.0	11.6	16.9	-13.6	-11.2	-12.6	23.6	12.2	11.2	13.7	-17.3	-11.7	-11.2	-14.2	16.7	11.6	11.1	13.5	-19.2
145.0	11.6	11.9	19.1	-13.1	-11.2	-13.1	13.7	11.9	11.3	14.4	-16.0	-11.5	11.4	-14.9	15.7	11.4	11.2	13.9
146.0	15.3	11.4	12.2	23.8	-12.6	-11.2	-11.3	17.2	11.7	11.4	-15.2	-15.1	11.4	-11.5	-15.7	14.9	11.3	11.3
147.0	-15.5	14.3	11.3	12.6	-23.9	-12.2	-11.3	-14.4	15.8	11.5	11.6	16.3	14.3	-11.2	11.7	-16.7	14.2	11.2
148.0	-11.7	-17.2	13.5	11.3	13.1	13.7	11.9	-11.4	-15.3	14.9	11.4	11.8	17.7	-13.7	11.2	-11.9	-18.1	13.7
149.0	-11.7	-12.0	-19.8	12.9	11.3	13.7	-17.0	-11.7	11.6	-16.5	14.1	11.3	12.1	19.7	13.2	-11.1	-12.1	-20.1
150.0	-13.8	-11.5	-12.3	-27.4	12.5	11.4	14.5	-15.7	-11.5	-11.9	-18.1	13.5	11.2	12.4	23.8	-12.8	-11.1	-12.4
151.0	15.2	-14.6	-11.4	-12.8	-13.3	12.1	11.5	15.5	-14.7	-11.4	-12.1	-20.8	13.0	12.6	12.7	-26.5	-12.5	-11.1
152.0	11.7	16.7	-13.7	-11.4	-13.3	18.2	11.8	11.7	16.8	-13.9	-11.3	-12.5	-29.3	12.6	11.2	13.1	-20.7	-12.2
153.0	11.9	11.9	19.1	-13.1	-11.4	-14.0	16.4	11.6	11.9	18.8	-13.3	-11.3	22.3	12.3	12.3	11.3	13.6	-18.3
154.0	16.3	11.7	12.3	24.7	-12.6	-11.5	-14.9	15.1	11.5	12.3	22.5	-12.8	11.3	-13.4	19.0	12.0	11.3	14.2
155.0	-11.5	-15.3	11.6	12.7	-22.6	-12.2	11.6	-16.1	14.2	11.4	12.6	-27.0	-11.3	-11.4	-14.0	17.1	11.8	11.5
156.0	-11.5	15.7	14.2	11.5	13.3	-18.4	-11.9	-11.9	-17.8	13.5	11.4	13.1	-20.2	-12.1	11.5	-14.7	15.9	11.6
157.0	-12.3	-11.8	-17.6	13.5	11.5	14.0	-16.4	-11.7	-12.1	-20.8	13.0	11.4	13.7	-17.8	11.9	-11.6	-15.6	15.0
158.0	-19.4	-12.0	-11.8	-20.8	12.9	11.6	14.9	-15.1	-11.6	-12.5	-35.1	12.5	11.5	14.4	-16.2	-11.7	-11.5	-12.0
159.0	13.7	-16.8	-11.8	-12.5	29.7	12.4	11.7	16.2	-14.2	-11.5	-13.0	21.2	12.2	11.6	15.2	-15.2	-11.5	-12.0
160.0	11.6	14.7	-15.2	-11.6	-13.0	19.9	12.1	11.9	18.0	-13.5	-11.5	-13.5	18.1	11.9	11.7	16.4	-14.4	-11.4
161.0	13.9	11.7	16.0	-14.1	-11.6	-13.7	17.2	11.8	12.2	21.3	-12.9	-11.5	-14.2	16.4	11.7	12.0	17.9	-13.7
162.0	-43.3	12.4	11.9	18.0	-13.4	-11.6	-14.5	15.6	11.7	12.6	-29.8	-12.5	14.6	-15.1	15.2	11.6	12.2	20.5
163.0	-13.0	19.9	12.1	12.2	22.0	-12.8	11.7	-15.7	14.5	11.6	13.1	-20.3	-12.2	-11.8	-16.3	14.4	11.5	12.6
164.0	-11.7	-13.7	17.0	11.8	12.7	-24.8	-12.4	-11.9	-17.3	13.7	11.6	13.7	-17.6	-11.9	12.0	-17.9	13.7	11.5
165.0	-13.9	-14.6	-15.3	11.7	13.2	13.2	19.0	-12.0	-12.2	-20.1	13.1	11.6	14.5	-16.0	-11.7	-12.3	-20.7	13.1
166.0	13.7	-13.2	-11.8	-15.9	14.2	11.7	13.9	-16.6	-11.8	-12.5	-30.2	12.6	11.7	15.5	-14.9	-11.6	-12.6	-29.9
167.0	12.4	25.1	-12.6	-12.0	-18.0	13.4	11.7	14.9	-15.2	-11.7	-13.0	21.1	12.3	11.9	16.9	-14.1	-11.6	-13.0
168.0	12.0	12.8	-21.3	-12.2	-12.3	-22.1	12.8	11.8	16.2	-14.2	-11.6	-13.6	17.9	12.1	12.1	18.9	-13.4	-11.5
169.0	15.8	11.8	-17.6	-17.6	-11.9	-12.7	24.4	12.4	12.0	18.3	-13.5	-11.7	14.4	16.2	11.8	12.4	23.1	-12.9
170.0	-15.5	14.4	11.8	14.4	-15.7	-11.8	-13.3	18.8	12.1	12.3	22.3	-12.9	11.7	-15.4	15.0	11.7	12.8	-25.2
171.0	-12.0	-17.4	13.5	11.8	15.7	-14.4	-11.7	-14.0	16.5	11.9	12.8	-25.0	-12.5	-11.9	-16.8	14.1	11.6	13.3

TABLE VI. - Concluded

BESSEL FUNCTIONS OF ORDER 90 TO 107

BESSEL FUNCTION ORDER

ARG	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
172.0	-12.6	-12.3	-21.3	12.9	12.0	17.5	-13.6	-11.8	15.1	11.8	13.3	19.2	19.2	-12.2	12.2	-18.9	13.4	11.6
173.0	-20.1	-12.2	-12.7	25.0	12.4	12.3	21.2	-12.9	11.9	14.1	11.7	14.0	14.0	-16.9	11.9	-12.5	23.4	12.9
174.0	13.7	-16.9	-11.9	-13.3	18.7	12.1	12.7	-26.3	-12.5	-18.8	13.4	11.8	11.8	14.9	15.4	-11.8	12.9	24.4
175.0	11.9	14.8	-15.2	-11.8	-14.1	16.3	11.9	13.3	-19.2	-12.5	-24.0	22.8	22.8	11.9	16.2	-14.4	11.7	13.4
176.0	13.7	11.9	16.3	-14.0	-13.2	-15.2	14.9	11.8	14.0	-11.9	-11.8	13.5	13.5	12.4	12.1	12.4	13.7	11.7
177.0	-20.5	13.0	12.2	13.9	-13.9	-12.0	-16.9	13.9	11.8	-15.2	-11.8	-13.5	-13.5	18.5	12.4	21.4	13.0	13.1
178.0	-12.7	26.4	12.5	12.5	26.7	-12.7	12.2	-19.8	13.2	15.5	-14.2	11.8	11.8	-14.3	16.4	12.8	12.8	28.9
179.0	-12.1	-13.3	18.7	12.1	13.0	-20.7	-12.3	-12.6	-34.3	12.6	18.8	13.4	13.4	-11.9	15.3	15.1	11.8	13.3
180.0	-15.9	-12.0	-14.1	16.2	12.0	13.7	-17.3	-13.1	20.2	12.3	12.5	24.2	24.2	-12.9	-12.0	-16.8	14.2	11.8
181.0	15.5	-14.5	-12.0	-15.3	14.7	11.9	14.7	-15.5	-11.9	-13.9	17.2	13.0	13.0	-22.5	-12.5	-19.1	-19.1	13.5
182.0	12.1	17.6	-13.5	-12.1	-17.2	13.7	12.0	16.1	-14.3	-11.9	-14.8	15.5	11.9	13.6	-18.3	-12.2	12.6	13.0
183.0	13.9	12.4	22.3	-22.7	-12.4	-12.8	26.2	12.6	12.5	-23.7	-12.2	18.3	18.3	11.9	11.9	-16.3	14.9	11.9
184.0	23.2	12.4	12.9	-22.7	-12.4	-12.8	13.4	18.9	12.2	13.0	-12.3	-12.3	-12.3	23.0	13.0	-16.3	14.9	11.9
185.0	-13.5	-14.5	17.9	13.5	-17.9	-12.1	-12.0	-14.2	16.4	12.0	-18.0	14.5	14.5	-22.9	13.6	15.5	17.1	14.1
186.0	-12.1	-14.5	15.7	12.0	14.5	-15.7	-12.0	-14.2	15.4	14.9	14.5	16.0	16.0	-12.0	23.0	12.5	12.3	19.6
187.0	-14.6	-12.1	-15.9	14.3	12.0	15.9	14.4	-12.0	-15.4	12.0	14.5	15.7	15.7	-12.0	13.6	18.6	12.2	12.7
188.0	17.6	-13.6	-12.2	-13.3	13.4	12.2	18.2	-13.5	-12.1	-17.1	13.9	12.0	12.0	-14.7	-13.6	-14.4	16.4	12.1
189.0	12.5	22.5	-12.9	-12.5	-24.8	12.8	12.5	23.5	-12.9	-20.4	13.2	12.2	12.2	17.6	-13.8	-12.0	15.5	15.1
190.0	12.5	12.9	-22.1	-13.1	-13.1	21.0	12.4	13.0	-22.0	-12.8	29.4	12.7	12.7	21.2	-13.2	-13.2	12.1	17.0
191.0	13.8	12.3	13.7	-17.5	-12.2	-13.8	17.2	12.2	13.7	-17.8	-13.4	19.5	19.5	12.3	12.9	-26.7	12.7	12.4
192.0	-14.2	16.1	12.1	14.7	-15.5	-12.1	-14.9	15.4	12.1	14.6	-12.1	14.1	14.1	16.8	12.1	13.4	19.3	12.4
193.0	-12.1	-15.6	14.5	12.1	16.3	-14.2	-12.1	-16.4	14.2	13.1	-14.5	-12.1	-12.1	-15.2	15.2	12.0	14.2	16.8
194.0	-14.0	-12.3	-17.9	13.6	12.3	19.0	-13.4	-12.3	-19.2	13.4	18.3	13.6	13.6	-22.2	-16.8	14.2	12.1	15.3
195.0	13.7	-13.2	-12.6	-23.5	12.9	12.7	29.1	-12.8	12.4	-29.1	12.6	23.4	23.4	12.6	12.4	-19.5	13.4	12.9
196.0	12.8	-28.3	-12.7	-13.1	21.3	12.5	13.2	-20.0	-12.4	20.2	12.4	13.1	13.1	-23.4	-18.0	-12.8	13.3	20.8
197.0	19.7	13.4	-18.7	-12.3	-13.8	17.3	12.2	14.0	-16.8	-12.2	17.0	12.2	12.2	13.7	12.6	-12.3	12.0	12.0
198.0	17.6	12.3	14.3	-16.0	-12.2	-14.9	15.3	12.2	15.2	-15.1	-15.1	15.3	15.3	12.1	14.7	-16.0	12.1	14.0
199.0	-14.7	15.4	12.2	15.8	-14.5	-12.2	-16.6	14.1	12.2	17.0	-12.2	-12.2	-12.2	14.2	12.2	16.0	14.7	12.1
200.0	-12.3	-16.5	14.1	12.3	18.1	-13.6	-12.4	-19.7	13.3	12.5	-13.3	12.4	12.4	-19.6	13.4	12.3	18.0	13.8
201.0	-13.9	-12.4	-19.7	13.2	12.6	24.5	-12.9	-12.8	32.8	12.8	-28.0	-12.7	-12.7	-12.8	-23.8	12.9	12.6	22.3
202.0	21.0	-13.1	-12.8	28.1	12.7	13.2	20.9	-12.5	-13.4	12.4	13.5	19.1	19.1	12.8	13.0	20.1	12.5	13.1
203.0	12.9	-23.3	-12.6	-13.5	18.7	12.4	13.9	-17.1	14.3	16.5	12.2	14.3	14.3	-16.5	-13.2	-14.1	17.1	12.3
204.0	12.6	13.7	-17.7	-12.3	-14.4	16.0	12.3	15.1	-15.2	-12.2	14.9	12.2	12.2	15.6	15.0	-12.2	15.2	15.4
205.0	-17.4	15.2	14.8	-15.5	-12.3	-15.9	-14.6	12.3	16.9	-14.1	-17.5	13.9	13.9	17.5	17.5	-14.0	12.3	16.8
206.0	14.9	-16.8	12.3	16.5	-14.2	-12.4	-18.3	13.6	-12.5	20.3	-12.6	-12.6	-12.6	12.6	12.6	21.2	13.3	12.5
207.0	-12.3	-16.8	14.0	-12.5	19.7	-23.3	-12.7	-25.2	13.0	-27.2	-12.8	-13.0	-13.0	-13.7	-12.4	-25.3	13.3	12.8
208.0	-14.0	-12.5	-20.7	13.2	12.9	-23.4	-12.8	-13.2	20.6	13.6	-18.8	-12.5	-12.5	-14.6	14.6	16.1	12.3	14.5
209.0	20.8	-23.4	-13.0	-24.1	12.7	13.5	-14.7	-12.5	-14.0	17.0	14.5	-12.5	-12.5	-14.8	-12.3	-16.0	14.7	14.5
210.0	13.0	-23.4	-12.7	-13.7	17.9	12.4	14.5	-16.1	-12.3	15.2	12.3	12.3	12.3	-14.8	12.3	-16.0	14.7	14.5
211.0	12.7	13.7	-17.7	-12.4	-14.8	15.6	12.4	15.9	-14.6	-12.4	-17.1	14.1	14.1	18.0	-13.8	-12.4	-18.2	13.8

TABLE VII. - Continued

BESSEL FUNCTIONS OF ORDER 108 TO 125

BESSEL FUNCTION ORDER

ARG	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
24.0	581.5	591.0	600.6	610.2	619.8	629.5	639.3	649.0	658.8	668.7	678.6	688.5	698.4	708.4	718.5	728.5	738.6	748.8
24.2	577.7	587.2	596.7	606.3	615.9	625.5	635.2	645.0	654.7	664.5	674.4	684.3	694.2	704.1	714.1	724.2	734.2	744.3
24.4	573.9	583.4	592.9	602.4	612.0	621.6	631.3	641.0	650.7	660.5	670.3	680.1	690.0	699.9	709.9	719.9	729.9	740.0
24.6	570.2	579.6	589.1	598.6	608.1	617.7	627.3	637.0	646.7	656.4	666.2	676.0	685.8	695.7	705.6	715.6	725.6	735.6
24.8	566.5	575.9	585.3	594.8	604.3	613.8	623.4	633.0	642.7	652.4	662.1	671.9	681.7	691.5	701.4	711.3	721.3	731.3
25.0	562.8	572.2	581.6	591.0	600.5	610.0	619.5	629.1	638.7	648.4	658.1	667.8	677.6	687.4	697.3	707.1	717.1	727.0
25.2	559.2	568.5	577.9	587.2	596.7	606.2	615.7	625.2	634.8	644.4	654.1	663.8	673.5	683.3	693.1	703.0	712.9	722.8
25.4	555.6	564.9	574.2	583.5	592.9	602.4	611.8	621.4	630.9	640.5	650.1	659.8	669.5	679.3	689.0	698.8	708.7	718.6
25.6	552.0	561.2	570.5	579.9	589.2	598.6	608.1	617.5	627.1	636.6	646.2	655.8	665.5	675.2	685.0	694.7	704.6	714.4
25.8	548.5	557.7	566.9	576.2	585.5	594.9	604.3	613.8	623.2	632.8	642.3	651.9	661.6	671.2	680.9	690.7	700.5	710.3
26.0	544.9	554.1	563.3	572.6	581.9	591.2	600.6	610.0	619.4	628.9	638.5	648.0	657.6	667.3	676.9	686.6	696.4	706.2
26.2	541.5	550.6	559.8	569.0	578.3	587.6	596.9	606.3	615.7	625.1	634.6	644.2	653.7	663.3	673.0	682.6	692.4	702.1
26.4	538.0	547.1	556.2	565.4	574.7	583.9	593.2	602.6	611.9	621.4	630.8	640.3	649.9	659.4	669.0	678.7	688.4	698.1
26.6	534.5	543.6	552.7	561.9	571.1	580.3	589.6	598.9	608.2	617.6	627.1	636.5	646.0	655.6	665.1	674.7	684.4	694.1
26.8	531.2	540.2	549.3	558.4	567.5	576.7	585.0	593.3	602.6	611.9	621.3	630.7	640.2	649.7	659.3	668.8	678.4	688.1
27.0	527.8	536.8	545.8	554.9	564.0	573.2	582.4	591.6	600.9	610.2	619.6	629.0	638.4	647.9	657.4	667.0	676.5	686.1
27.2	524.4	533.4	542.4	551.5	560.6	569.7	578.9	588.1	597.3	606.6	615.9	625.3	634.7	644.1	653.6	663.1	672.7	682.2
27.4	521.1	530.0	539.0	548.0	557.1	566.2	575.3	584.5	593.7	603.0	612.3	621.6	631.0	640.4	649.8	659.3	668.8	678.4
27.6	517.8	526.7	535.7	544.6	553.7	562.7	571.8	581.0	590.2	599.4	608.6	617.9	627.3	636.7	646.1	655.5	665.0	674.5
27.8	514.5	523.4	532.3	541.3	550.3	559.3	568.4	577.5	586.6	595.8	605.0	614.3	623.6	633.0	642.3	651.7	661.2	670.7
28.0	511.3	520.1	529.0	537.9	546.9	555.9	564.9	574.0	583.1	592.3	601.5	610.7	620.0	629.3	638.6	648.0	657.4	666.9
28.2	508.1	516.9	525.7	534.6	543.5	552.5	561.5	570.6	579.6	588.8	597.9	607.1	616.4	625.7	635.0	644.3	653.7	663.1
28.4	504.9	513.6	522.4	531.3	540.2	549.1	558.1	567.1	576.2	585.3	594.4	603.6	612.8	622.0	631.3	640.6	650.0	659.4
28.6	501.7	510.4	519.2	528.0	536.9	545.8	554.8	563.7	572.8	581.8	590.9	600.1	609.2	618.5	627.7	637.0	646.3	655.7
28.8	498.5	507.2	516.0	524.8	533.6	542.5	551.4	560.4	569.4	578.4	587.5	596.6	605.7	614.9	624.1	633.4	642.7	652.0
29.0	495.4	504.1	512.8	521.6	530.4	539.2	548.1	557.0	566.0	575.0	584.0	593.1	602.2	611.4	620.6	629.8	639.0	648.3
29.2	492.3	500.9	509.6	518.4	527.1	535.8	544.6	553.4	562.2	571.0	580.0	589.0	598.0	607.0	616.0	625.0	634.0	643.0
29.4	489.2	497.8	506.5	515.2	523.9	532.7	541.5	550.3	559.1	568.0	577.0	586.0	595.0	604.0	613.0	622.0	631.0	640.0
29.6	486.1	494.7	503.4	512.0	520.8	529.5	538.3	547.1	556.0	564.9	573.9	582.8	591.9	600.9	610.0	619.1	628.3	637.5
29.8	483.1	491.7	500.3	508.9	517.6	526.3	535.1	543.9	552.7	561.6	570.5	579.5	588.5	597.5	606.6	615.7	624.8	634.0
30.0	480.1	488.6	497.2	505.8	514.5	523.1	531.9	540.7	549.5	558.3	567.2	576.1	585.1	594.1	603.1	612.2	621.3	630.4
30.2	477.1	485.6	494.1	502.7	511.3	520.0	528.7	537.4	546.2	555.0	563.9	572.8	581.7	590.7	599.7	608.7	617.8	626.9
30.4	474.1	482.6	491.1	499.7	508.3	516.9	525.6	534.3	543.0	551.8	560.6	569.5	578.4	587.3	596.3	605.3	614.4	623.5
30.6	471.2	479.6	488.1	496.6	505.2	513.8	522.4	531.1	539.8	548.6	557.4	566.2	575.1	584.0	593.0	601.9	611.0	620.0
30.8	468.2	476.7	485.1	493.6	502.1	510.7	519.3	528.0	536.7	545.4	554.2	563.0	571.8	580.7	589.6	598.6	607.6	616.6
31.0	465.3	473.7	482.1	490.6	499.1	507.6	516.2	524.9	533.5	542.2	551.0	559.7	568.6	577.4	586.3	595.2	604.2	613.2
31.2	462.4	470.8	479.2	487.6	496.1	504.6	513.2	521.8	530.4	539.1	547.8	556.5	565.3	574.1	583.0	591.9	600.8	609.8
31.4	459.6	467.9	476.3	484.7	493.1	501.6	510.1	518.7	527.3	535.9	544.6	553.3	562.1	570.9	579.7	588.6	597.5	606.4
31.6	456.7	465.0	473.4	481.7	490.1	498.6	507.1	515.6	524.2	532.8	541.5	550.2	558.9	567.7	576.5	585.3	594.2	603.1
31.8	453.9	462.2	470.5	478.8	487.2	495.6	504.1	512.6	521.2	529.7	538.4	547.0	555.7	564.5	573.2	582.1	590.9	599.8

TABLE VII. — Continued

BESSEL FUNCTIONS OF ORDER 108 TO 125

ARG	BESSEL FUNCTION ORDER																		
	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
32.0	451.1	459.3	467.6	475.9	484.3	492.7	501.1	509.6	518.1	526.7	535.3	543.9	552.6	561.3	570.0	578.8	587.6	596.5	
32.5	444.1	452.3	460.5	468.8	477.1	485.4	493.8	502.2	510.6	519.1	527.6	536.2	544.8	553.4	562.1	570.8	579.6	588.4	
33.0	437.3	445.4	453.5	461.7	469.9	478.2	486.5	494.9	503.2	511.7	520.1	528.6	537.1	545.7	554.3	563.0	571.6	580.4	
33.5	430.6	438.6	446.7	454.8	463.0	471.2	479.4	487.7	496.0	504.3	512.7	521.1	529.6	538.1	546.6	555.2	563.8	572.5	
34.0	424.0	432.0	440.0	448.0	456.1	464.2	472.4	480.6	488.8	497.1	505.4	513.8	522.2	530.6	539.1	547.6	556.2	564.7	
34.5	417.5	425.4	433.3	441.3	449.3	457.4	465.5	473.6	481.8	490.0	498.3	506.6	514.9	523.3	531.7	540.1	548.6	557.1	
35.0	411.1	418.9	426.8	434.7	442.7	450.7	458.7	466.8	474.9	483.0	491.2	499.5	507.7	516.0	524.4	532.7	541.2	549.6	
35.5	404.8	412.6	420.4	428.2	436.1	444.0	452.0	460.0	468.1	476.2	484.3	492.4	500.6	508.9	517.2	525.5	533.8	542.2	
36.0	398.6	406.3	414.1	421.8	429.7	437.5	445.4	453.4	461.4	469.4	477.4	485.5	493.7	501.9	510.1	518.3	526.6	534.9	
36.5	392.5	400.2	407.8	415.6	423.3	431.1	439.0	446.8	454.8	462.7	470.7	478.8	486.8	494.9	503.1	511.3	519.5	527.8	
37.0	386.5	394.1	401.7	409.4	417.1	424.8	432.6	440.4	448.3	456.2	464.1	472.1	480.1	488.1	496.2	504.3	512.5	520.7	
37.5	380.6	388.1	395.7	403.3	410.9	418.6	426.3	434.0	441.8	449.7	457.6	465.5	473.4	481.4	489.4	497.5	505.6	513.8	
38.0	374.8	382.2	389.7	397.3	404.8	412.4	420.1	427.8	435.5	443.3	451.1	459.0	466.9	474.8	482.8	490.8	498.8	506.9	
38.5	369.0	376.4	383.9	391.3	398.8	406.4	414.0	421.6	429.3	437.0	444.8	452.6	460.4	468.3	476.2	484.1	492.1	500.1	
39.0	363.4	370.7	378.1	385.5	393.0	400.5	408.0	415.6	423.2	430.8	438.5	446.3	454.0	461.9	469.7	477.6	485.5	493.5	
39.5	357.8	365.1	372.4	379.8	387.1	394.6	402.1	409.6	417.1	424.7	432.4	440.1	447.8	455.5	463.3	471.1	479.0	486.9	
40.0	352.3	359.5	366.8	374.1	381.4	388.8	396.2	403.7	411.2	418.7	426.3	433.9	441.6	449.3	457.0	464.8	472.6	480.4	
40.5	346.9	354.1	361.3	368.5	375.8	383.1	390.5	397.9	405.3	412.8	420.3	427.9	435.5	443.1	450.8	458.5	466.3	474.0	
41.0	341.6	348.7	355.8	363.0	370.2	377.5	384.8	392.1	399.5	406.9	414.4	421.9	429.5	437.0	444.7	452.3	460.0	467.7	
41.5	336.3	343.4	350.4	357.6	364.7	371.9	379.2	386.5	393.8	401.2	408.6	416.0	423.5	431.0	438.6	446.2	453.8	461.5	
42.0	331.1	338.1	345.1	352.2	359.3	366.5	373.7	380.9	388.2	395.5	402.8	410.2	417.7	425.1	432.6	440.2	447.8	455.4	
42.5	326.0	332.9	339.9	346.9	354.0	361.1	368.2	375.4	382.6	389.9	397.2	404.5	411.9	419.3	426.8	434.2	441.8	449.3	
43.0	321.0	327.9	334.8	341.7	348.7	355.8	362.8	370.0	377.1	384.3	391.6	398.9	406.2	413.6	420.9	428.4	435.9	443.4	
43.5	316.0	322.8	329.7	336.6	343.5	350.5	357.5	364.6	371.7	378.9	386.1	393.3	400.6	407.9	415.2	422.6	430.0	437.5	
44.0	311.1	317.9	324.7	331.5	338.4	345.3	352.3	359.3	366.4	373.5	380.6	387.8	395.0	402.3	409.6	416.9	424.3	431.7	
44.5	306.3	313.0	319.7	326.5	333.4	340.2	347.2	354.1	361.1	368.2	375.3	382.4	389.5	396.7	404.0	411.3	418.6	425.9	
45.0	301.5	308.1	314.8	321.6	328.4	335.2	342.1	349.0	355.9	362.9	370.0	377.0	384.1	391.3	398.5	405.7	413.0	420.3	
45.5	296.8	303.4	310.0	316.7	323.4	330.2	337.0	343.9	350.8	357.7	364.7	371.7	378.8	385.9	393.0	400.2	407.4	414.7	
46.0	292.1	298.7	305.3	311.9	318.6	325.3	332.1	338.9	345.7	352.6	359.6	366.5	373.5	380.6	387.7	394.8	401.9	409.1	
46.5	287.5	294.0	300.6	307.2	313.8	320.5	327.2	333.9	340.7	347.6	354.4	361.4	368.3	375.3	382.4	389.4	396.5	403.7	
47.0	283.0	289.5	296.0	302.5	309.1	315.7	322.3	329.1	335.8	342.6	349.4	356.3	363.2	370.1	377.1	384.1	391.2	398.3	
47.5	278.5	284.9	291.4	297.9	304.4	311.0	317.6	324.2	330.9	337.7	344.4	351.3	358.1	365.0	371.9	378.9	385.9	393.0	
48.0	274.1	280.5	286.9	293.3	299.8	306.3	312.9	319.5	326.1	332.8	339.5	346.3	353.1	359.9	366.8	373.8	380.7	387.7	
48.5	269.8	276.1	282.4	288.8	295.2	301.7	308.2	314.8	321.4	328.0	334.7	341.4	348.2	354.9	361.8	368.7	375.6	382.5	
49.0	265.5	271.7	278.0	284.4	290.7	297.2	303.6	310.1	316.7	323.3	329.9	336.6	343.3	350.0	356.8	363.6	370.5	377.4	
49.5	261.2	267.4	273.7	280.0	286.3	292.7	299.1	305.5	312.0	318.6	325.2	331.8	338.4	345.1	351.9	358.6	365.5	372.3	
50.0	257.0	263.2	269.4	275.6	281.9	288.2	294.6	301.0	307.5	313.9	320.5	327.0	333.7	340.3	347.0	353.7	360.5	367.3	
50.5	252.9	259.0	265.2	271.3	277.6	283.9	290.2	296.5	302.9	309.4	315.9	322.4	328.9	335.6	342.2	348.9	355.6	362.4	
51.0	248.8	254.9	261.0	267.1	273.3	279.5	285.8	292.1	298.5	304.9	311.3	317.8	324.3	330.8	337.4	344.1	350.8	357.5	
51.5	244.8	250.8	256.8	262.9	269.1	275.3	281.5	287.7	294.0	300.4	306.8	313.2	319.7	326.2	332.7	339.3	346.0	352.6	

TABLE VII. — Continued
 BESSEL FUNCTIONS OF ORDER 108 TO 125

BESSEL FUNCTION ORDER

	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
52.0	240.8	246.8	252.8	258.8	264.9	271.0	277.2	283.4	289.7	296.0	302.3	308.7	315.1	321.6	328.1	334.7	341.2	347.9
52.5	236.9	242.8	248.7	254.7	260.8	266.9	273.0	279.2	285.4	291.6	297.9	304.3	310.6	317.1	323.5	330.0	336.6	343.1
53.0	233.0	238.8	244.8	250.7	256.7	262.7	268.8	275.0	281.1	287.3	293.6	299.9	306.2	312.6	319.0	325.4	331.9	338.5
53.5	229.1	235.0	240.8	246.7	252.7	258.7	264.7	270.8	276.9	283.1	289.3	295.5	301.8	308.1	314.5	320.9	327.4	333.8
54.0	225.4	231.1	236.9	242.8	248.7	254.7	260.6	266.7	272.8	278.9	285.0	291.2	297.5	303.8	310.1	316.4	322.8	329.3
54.5	221.6	227.3	233.1	238.9	244.8	250.7	256.6	262.6	268.6	274.7	280.8	287.0	293.2	299.4	305.7	312.0	318.4	324.8
55.0	217.9	223.6	229.3	235.1	240.9	246.8	252.7	258.6	264.6	270.6	276.7	282.8	288.9	295.1	301.4	307.6	314.0	320.3
55.5	214.3	220.0	225.6	231.3	237.1	242.9	248.7	254.6	260.6	266.6	272.6	278.6	284.8	290.9	297.1	303.3	309.6	315.9
56.0	210.6	216.3	221.9	227.5	233.3	239.0	244.8	250.7	256.6	262.5	268.5	274.5	280.6	286.7	292.9	299.0	305.3	311.5
56.5	207.1	212.8	218.2	223.8	229.5	235.2	241.0	246.8	252.7	258.6	264.5	270.5	276.5	282.6	288.7	294.8	301.0	307.2
57.0	203.6	209.1	214.6	220.2	225.8	231.5	237.2	243.0	248.8	254.7	260.5	266.5	272.5	278.5	284.5	290.6	296.8	303.0
57.5	200.1	205.5	211.0	216.6	222.2	227.8	233.5	239.2	245.0	250.8	256.6	262.5	268.5	274.4	280.4	286.5	292.6	298.7
58.0	196.6	202.0	207.5	213.0	218.6	224.1	229.8	235.5	241.2	246.9	252.8	258.6	264.5	270.4	276.4	282.4	288.4	294.4
58.5	193.2	198.6	204.0	209.5	215.0	220.5	226.1	231.8	237.4	243.2	248.9	254.7	260.6	266.5	272.4	278.4	284.4	290.4
59.0	189.9	195.2	200.6	206.0	211.4	217.0	222.5	228.1	233.7	239.4	245.1	250.9	256.7	262.6	268.4	274.4	280.3	286.3
59.5	186.6	191.8	197.2	202.5	208.0	213.4	218.9	224.5	230.1	235.7	241.4	247.1	252.9	258.7	264.5	270.5	276.3	282.3
60.0	183.3	188.5	193.8	199.1	204.3	209.9	215.4	220.9	226.4	232.0	237.7	243.4	249.1	254.8	260.7	266.5	272.4	278.3
60.5	180.1	185.2	190.5	195.8	201.1	206.5	211.9	217.4	222.9	228.4	234.0	239.7	245.3	251.1	256.8	262.6	268.5	274.4
61.0	176.9	182.0	187.2	192.4	197.7	203.1	208.4	213.9	219.3	224.8	230.4	236.0	241.6	247.3	253.0	258.8	264.6	270.4
61.5	173.7	178.8	183.9	189.1	194.4	199.7	205.0	210.4	215.8	221.3	226.8	232.4	238.0	243.6	249.3	255.0	260.8	266.6
62.0	170.5	175.6	180.7	185.9	191.1	196.3	201.6	207.0	212.4	217.8	223.3	228.8	234.3	239.9	245.6	251.3	257.0	262.8
62.5	167.4	172.5	177.6	182.7	187.8	193.1	198.3	203.6	208.9	214.3	219.8	225.2	230.8	236.3	241.9	247.6	253.2	259.0
63.0	164.4	169.4	174.4	179.5	184.6	189.8	195.0	200.3	205.6	210.9	216.3	221.7	227.2	232.7	238.3	243.9	249.5	255.2
63.5	161.4	166.3	171.3	176.4	181.4	186.6	191.7	197.0	202.2	207.5	212.9	218.3	223.7	229.2	234.7	240.3	245.9	251.5
64.0	158.4	163.3	168.3	173.3	178.3	183.4	188.5	193.7	198.9	204.2	209.5	214.8	220.2	225.7	231.2	236.7	242.2	247.8
64.5	155.5	160.3	165.2	170.2	175.2	180.2	185.3	190.5	195.6	200.9	206.1	211.4	216.8	222.2	227.6	233.1	238.6	244.2
65.0	152.6	157.4	162.3	167.2	172.1	177.1	182.2	187.3	192.4	197.6	202.8	208.1	213.4	218.8	224.2	229.6	235.1	240.6
65.5	149.7	154.5	159.3	164.2	169.1	174.0	179.1	184.1	189.2	194.4	199.5	204.8	210.1	215.4	220.7	226.1	231.6	237.1
66.0	146.9	151.6	156.4	161.2	166.1	171.0	176.0	181.0	186.0	191.1	196.3	201.5	206.7	212.0	217.3	222.7	228.1	233.6
66.5	144.1	148.8	153.5	158.3	163.1	168.0	172.9	177.9	182.9	188.0	193.1	198.2	203.4	208.7	214.0	219.3	224.7	230.1
67.0	141.3	145.9	150.6	155.4	160.2	165.0	169.9	174.8	179.8	184.8	189.9	195.0	200.2	205.4	210.6	215.9	221.3	226.6
67.5	138.6	143.2	147.8	152.5	157.3	162.1	166.9	171.8	176.8	181.7	186.8	191.9	197.0	202.1	207.1	212.6	217.9	223.2
68.0	135.9	140.4	145.0	149.7	154.4	159.2	164.0	168.8	173.7	178.7	183.7	188.6	193.6	198.6	204.1	209.3	214.5	219.8
68.5	133.2	137.7	142.3	146.9	151.6	156.3	161.1	165.9	170.7	175.6	180.6	185.6	190.6	195.7	200.9	206.0	211.2	216.5
69.0	130.5	135.0	139.6	144.1	148.8	153.5	158.2	163.0	167.8	172.7	177.6	182.5	187.5	192.6	197.7	202.8	208.0	213.2
69.5	127.9	132.4	136.9	141.4	146.0	150.6	155.3	160.1	164.9	169.7	174.6	179.5	184.5	189.6	194.5	199.6	204.7	209.9
70.0	125.3	129.8	134.2	138.7	143.3	147.9	152.5	157.2	162.0	166.8	171.6	176.5	181.4	186.4	191.4	196.4	201.6	206.7
70.5	122.8	127.2	131.6	136.0	140.6	145.1	149.7	154.4	159.1	163.9	168.7	173.5	178.4	183.3	188.3	193.3	198.4	203.5
71.0	120.3	124.6	129.0	133.4	137.9	142.4	147.0	151.6	156.3	161.0	165.7	170.6	175.4	180.3	185.2	190.2	195.3	200.3
71.5	117.8	122.1	126.4	130.8	135.2	139.7	144.3	148.8	153.5	158.1	162.9	167.6	172.5	177.3	182.2	187.2	192.2	197.2

TABLE VII. — Continued

BESSEL FUNCTIONS OF ORDER 108 TO 125

BESSEL FUNCTION ORDER

ARG	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
72.0	115.3	119.6	123.9	128.2	132.6	137.1	141.6	146.1	150.7	155.3	160.0	164.8	169.5	174.4	179.2	184.1	189.1	194.1
72.5	112.9	117.1	121.4	125.7	130.0	134.4	138.9	143.4	148.0	152.6	157.2	161.9	166.6	171.4	176.3	181.1	186.0	191.0
73.0	110.5	114.7	118.9	123.2	127.5	131.9	136.3	140.7	145.3	149.8	154.4	159.1	163.8	168.5	173.3	178.2	183.0	188.0
73.5	108.2	112.3	116.5	120.7	125.0	129.3	133.7	138.1	142.6	147.1	151.7	156.3	161.0	165.7	170.4	175.2	180.1	185.0
74.0	105.8	109.9	114.0	118.2	122.5	126.8	131.1	135.5	139.9	144.4	149.0	153.5	158.2	162.8	167.6	172.3	177.1	182.0
74.5	103.5	107.6	111.7	115.8	120.0	124.3	128.6	132.9	137.3	141.8	146.3	150.8	155.4	160.0	164.7	169.4	174.2	179.0
75.0	101.2	105.2	109.3	113.4	117.6	121.8	126.1	130.4	134.7	139.1	143.6	148.1	152.7	157.3	161.9	166.6	171.3	176.1
75.5	99.0	103.0	107.0	111.0	115.2	119.3	123.6	127.8	132.2	136.5	141.0	145.4	150.0	154.5	159.1	163.8	168.5	173.2
76.0	96.8	100.7	104.7	108.7	112.8	116.9	121.1	125.4	129.6	134.0	138.4	142.8	147.3	151.8	156.4	161.0	165.7	170.4
76.5	94.6	98.5	102.4	106.4	110.4	114.5	118.7	122.9	127.1	131.4	135.8	140.2	144.6	149.1	153.7	158.2	162.9	167.5
77.0	92.4	96.3	100.2	104.1	108.1	112.2	116.3	120.5	124.7	128.9	133.2	137.6	142.0	146.5	151.0	155.5	160.1	164.7
77.5	90.3	94.1	97.9	101.9	105.8	109.9	113.9	118.1	122.2	126.5	130.7	135.1	139.4	143.8	148.3	152.8	157.4	162.0
78.0	88.2	91.9	95.8	99.6	103.6	107.6	111.6	115.7	119.8	124.0	128.2	132.5	136.9	141.2	145.7	150.1	154.7	159.2
78.5	86.1	89.7	93.6	97.4	101.3	105.3	109.3	113.3	117.4	121.6	125.8	130.0	134.3	138.7	143.1	147.5	152.0	156.5
79.0	84.0	87.7	91.5	95.3	99.1	103.0	107.0	111.0	115.1	119.2	123.3	127.6	131.8	136.1	140.5	144.9	149.3	153.8
79.5	82.0	85.7	89.4	93.1	96.9	100.8	104.7	108.7	112.7	116.8	120.9	125.1	129.3	133.6	137.9	142.3	146.7	151.2
80.0	80.0	83.6	87.3	91.0	94.8	98.6	102.5	106.4	110.4	114.5	118.6	122.7	126.9	131.1	135.4	139.7	144.1	148.5
80.5	78.0	81.6	85.2	88.9	92.7	96.5	100.3	104.2	108.2	112.3	116.4	120.3	124.5	128.7	132.9	137.2	141.5	145.9
81.0	76.1	79.6	83.2	86.9	90.6	94.3	98.1	102.0	105.9	109.9	113.9	117.9	122.1	126.2	130.4	134.7	139.0	143.4
81.5	74.2	77.7	81.2	84.8	88.5	92.2	96.0	99.8	103.7	107.6	111.6	115.6	119.7	123.8	128.0	132.2	136.5	140.8
82.0	72.3	75.7	79.2	82.8	86.4	90.1	93.8	97.6	101.5	105.4	109.3	113.3	117.3	121.4	125.6	129.8	134.0	138.3
82.5	70.4	73.8	77.3	80.8	84.4	88.1	91.7	95.5	99.3	103.2	107.1	111.0	115.0	119.1	123.2	127.3	131.5	135.8
83.0	68.6	72.0	75.4	78.9	82.4	86.0	89.7	93.4	97.2	101.0	104.8	108.8	112.7	116.8	120.8	124.9	129.1	133.3
83.5	66.8	70.1	73.5	76.9	80.4	84.0	87.6	91.3	95.0	98.8	102.7	106.5	110.5	114.5	118.5	122.6	126.7	130.9
84.0	65.0	68.3	71.6	75.0	78.5	82.0	85.6	89.2	92.9	96.7	100.5	104.3	108.2	112.2	116.2	120.2	124.3	128.5
84.5	63.2	66.5	69.8	73.2	76.6	80.1	83.6	87.2	90.9	94.6	98.3	102.0	106.0	109.9	113.9	117.9	122.0	126.1
85.0	61.5	64.7	68.0	71.3	74.7	78.1	81.6	85.2	88.8	92.5	96.2	100.0	103.8	107.7	111.6	115.6	119.6	123.7
85.5	59.8	62.9	66.2	69.5	72.8	76.2	79.7	83.2	86.8	90.4	94.1	97.9	101.7	105.5	109.4	113.3	117.3	121.4
86.0	58.1	61.2	64.4	67.7	71.0	74.4	77.8	81.3	84.8	88.4	92.1	95.8	99.5	103.3	107.2	111.1	115.0	119.1
86.5	56.4	59.5	62.7	65.9	69.2	72.5	75.9	79.3	82.8	86.4	90.0	93.7	97.4	101.2	105.0	108.9	112.8	116.8
87.0	54.8	57.9	61.0	64.1	67.4	70.7	74.0	77.4	80.9	84.4	88.0	91.6	95.3	99.0	102.8	106.7	110.6	114.5
87.5	53.2	56.2	59.3	62.4	65.6	68.9	72.2	75.6	79.0	82.5	86.0	89.6	93.3	97.0	100.7	104.5	108.4	112.3
88.0	51.6	54.6	57.6	60.7	63.9	67.1	70.4	73.7	77.1	80.5	84.0	87.6	91.2	94.9	98.6	102.4	106.2	110.0
88.5	50.1	53.0	56.0	59.0	62.2	65.3	68.6	71.9	75.2	78.6	82.1	85.6	89.2	92.8	96.5	100.2	104.0	107.9
89.0	48.5	51.4	54.4	57.4	60.5	63.6	66.8	70.1	73.4	76.8	80.2	83.7	87.2	90.8	94.5	98.1	101.9	105.7
89.5	47.0	49.9	52.8	55.8	58.8	61.9	65.1	68.3	71.6	74.9	78.3	81.7	85.2	88.8	92.4	96.1	99.8	103.5
90.0	45.6	48.4	51.2	54.2	57.2	60.2	63.3	66.5	69.8	73.1	76.4	79.8	83.3	86.8	90.4	94.0	97.7	101.4
90.5	44.1	46.9	49.7	52.6	55.5	58.6	61.6	64.8	68.0	71.3	74.6	78.0	81.4	84.9	88.4	92.0	95.6	99.3
91.0	42.7	45.4	48.2	51.0	53.9	56.9	60.0	63.1	66.2	69.5	72.8	76.1	79.5	82.9	86.4	90.0	93.6	97.3
91.5	41.3	43.9	46.7	49.5	52.4	55.3	58.3	61.4	64.5	67.7	71.0	74.3	77.6	81.0	84.5	88.0	91.6	95.2

TABLE VII. - Continued
 BESSEL FUNCTIONS OF ORDER 108 TO 125

ARG	BESSEL FUNCTION ORDER																	
	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
92.0	39.9	42.5	45.2	48.0	50.8	53.7	56.7	59.7	62.8	66.0	69.2	72.5	75.8	79.2	82.6	86.1	89.6	93.2
93.0	37.2	39.8	42.4	45.1	47.8	50.6	53.5	56.5	59.5	62.6	65.7	68.9	72.2	75.5	78.8	82.2	85.7	89.2
94.0	34.6	37.1	39.6	42.2	44.9	47.6	50.5	53.3	56.3	59.3	62.3	65.4	68.6	71.9	75.1	78.5	81.9	85.3
95.0	32.2	34.5	37.0	39.5	42.1	44.7	47.5	50.3	53.1	56.1	59.0	62.1	65.2	68.4	71.6	74.8	78.2	81.5
96.0	29.8	32.1	34.4	36.9	39.4	41.9	44.6	47.3	50.1	52.9	55.8	58.8	61.8	64.9	68.1	71.3	74.5	77.9
97.0	27.5	29.7	32.0	34.3	36.8	39.2	41.8	44.4	47.1	49.9	52.7	55.6	58.6	61.6	64.7	67.8	71.0	74.2
98.0	25.4	27.5	29.6	31.9	34.2	36.6	39.1	41.7	44.3	47.0	49.7	52.6	55.4	58.4	61.4	64.4	67.6	70.7
99.0	23.3	25.3	27.4	29.6	31.8	34.1	36.5	39.0	41.5	44.2	46.8	49.6	52.4	55.2	58.2	61.2	64.2	67.3
100.0	21.4	23.3	25.3	27.3	29.5	31.7	34.0	36.4	38.9	41.4	44.0	46.7	49.4	52.2	55.0	58.0	60.9	64.0
101.0	19.6	21.4	23.2	25.2	27.3	29.4	31.6	33.9	36.3	38.8	41.3	43.9	46.5	49.2	52.0	54.9	57.8	60.7
102.0	17.9	19.5	21.3	23.2	25.2	27.2	29.4	31.6	33.9	36.2	38.7	41.2	43.7	46.4	49.1	51.8	54.7	57.5
103.0	16.3	17.8	19.5	21.3	23.2	25.1	27.2	29.3	31.5	33.8	36.1	38.5	41.0	43.6	46.2	48.9	51.7	54.5
104.0	14.8	16.3	17.8	19.5	21.3	23.1	25.1	27.1	29.2	31.4	33.7	36.0	38.4	40.9	43.5	46.1	48.8	51.5
105.0	13.5	14.8	16.2	17.8	19.5	21.2	23.1	25.0	27.0	29.1	31.3	33.6	35.9	38.3	40.8	43.3	45.9	48.6
106.0	12.2	13.5	14.8	16.2	17.8	19.4	21.2	23.0	25.0	27.0	29.1	31.2	33.5	35.8	38.2	40.7	43.2	45.8
107.0	11.2	12.3	13.5	14.8	16.2	17.8	19.4	21.2	23.0	24.9	26.9	29.0	31.2	33.4	35.7	38.1	40.6	43.1
108.0	10.3	11.2	12.3	13.5	14.8	16.2	17.8	19.4	21.1	23.0	24.9	26.9	28.9	31.1	33.3	35.6	38.0	40.4
109.0	9.5	10.3	11.2	12.3	13.5	14.8	16.2	17.7	19.4	21.1	22.9	24.8	26.8	28.9	31.0	33.2	35.5	37.9
110.0	9.0	9.5	10.3	11.2	12.3	13.5	14.8	16.2	17.7	19.3	21.1	22.9	24.8	26.8	28.8	31.0	33.2	35.4
111.0	8.6	9.0	9.6	10.3	11.2	12.3	13.5	14.8	16.2	17.7	19.3	21.0	22.8	24.7	26.7	28.8	30.9	33.1
112.0	8.5	8.6	9.0	9.6	10.3	11.2	12.3	13.5	14.8	16.2	17.7	19.3	21.0	22.8	24.7	26.7	28.7	30.8
113.0	8.7	8.5	8.7	9.0	9.6	10.3	11.2	12.3	13.5	14.8	16.2	17.7	19.3	21.0	22.8	24.6	26.6	28.6
114.0	9.3	8.7	8.5	8.7	9.0	9.6	10.4	11.3	12.3	13.5	14.8	16.2	17.7	19.3	21.0	22.7	24.6	26.6
115.0	10.6	9.3	8.7	8.6	8.7	9.0	9.6	10.4	11.3	12.3	13.5	14.8	16.1	17.6	19.2	20.9	22.7	24.6
116.0	13.2	10.6	9.3	8.7	8.6	8.7	9.1	9.6	10.4	11.3	12.3	13.5	14.8	16.1	17.6	19.2	20.9	22.7
117.0	26.0	13.2	10.6	9.3	8.8	8.6	8.7	9.1	9.6	10.4	11.3	12.3	13.5	14.7	16.1	17.6	19.2	20.9
118.0	-13.7	24.3	13.1	10.6	9.3	8.8	8.6	8.7	9.1	9.7	10.4	11.3	12.3	13.5	14.7	16.1	17.6	19.2
119.0	-11.0	-13.9	23.1	13.0	10.5	9.3	8.8	8.6	8.7	9.1	9.7	10.4	11.3	12.3	13.5	14.7	16.1	17.6
120.0	-9.9	-11.0	-14.0	22.2	12.9	10.5	9.3	8.8	8.6	8.8	9.1	9.7	10.4	11.3	12.3	13.5	14.7	16.1
121.0	-9.7	-9.9	-11.1	-14.2	21.4	12.9	10.5	9.3	8.8	8.6	8.8	9.1	9.7	10.4	11.3	12.3	13.5	14.7
122.0	-10.5	-9.7	-9.9	-11.2	-14.3	20.8	12.8	10.5	9.3	8.8	8.6	8.8	9.2	9.7	10.4	11.3	12.3	13.5
123.0	-12.7	-10.4	-9.7	-10.0	-11.2	-14.5	20.3	12.7	10.5	9.3	8.8	8.7	8.8	9.2	9.7	10.5	11.3	12.4
124.0	-22.4	-12.6	-10.4	-9.7	-10.0	-11.3	-14.6	19.8	12.7	10.4	9.3	8.8	8.7	8.8	9.2	9.7	10.5	11.3
125.0	13.7	-21.0	-12.4	-10.4	-9.7	-10.0	-11.4	-14.8	19.4	12.6	10.4	9.3	8.8	8.7	8.8	9.2	9.8	10.5
126.0	10.9	13.9	-19.9	-12.3	-10.3	-9.7	-10.1	-11.5	-15.0	19.0	12.6	10.4	9.3	8.8	8.7	8.8	9.2	9.8
127.0	10.1	11.0	14.1	-19.1	-12.2	-10.3	-9.7	-10.1	-11.5	-15.1	18.7	12.5	10.4	9.3	8.8	8.7	8.9	9.2
128.0	10.6	10.2	11.1	14.4	-18.4	-12.1	-10.3	-9.7	-10.1	-11.6	-15.3	18.4	12.5	10.4	9.3	8.8	8.7	8.9
129.0	12.8	10.5	10.2	11.2	14.7	-17.8	-12.0	-10.2	-9.7	-10.2	-11.7	-15.5	18.1	12.4	10.4	9.3	8.8	8.7
130.0	24.2	12.6	10.5	10.2	11.3	15.0	-17.3	-11.9	-10.2	-9.8	-10.2	-11.8	-15.7	17.8	12.4	10.3	9.3	8.9
131.0	-13.4	21.6	12.4	10.5	10.2	11.4	15.3	-16.9	-11.8	-10.2	-9.8	-10.3	-11.8	-15.9	17.6	12.3	10.3	9.3

TABLE VII. — Continued
 BESSEL FUNCTIONS OF ORDER 108 TO 125

ARG	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
132.0	-10.9	-13.6	20.0	12.2	10.4	10.3	11.5	15.6	-16.5	-11.7	-10.2	-9.8	-10.3	-11.9	-16.1	17.3	12.3	10.3
133.0	-10.5	-11.0	-14.0	18.9	12.1	10.4	10.3	11.6	16.0	-16.1	-11.7	-10.1	-9.8	-10.4	-12.0	-16.3	17.1	16.9
134.0	-11.6	-10.4	-11.1	-14.3	18.0	11.9	10.4	10.3	11.8	16.4	-15.8	-10.1	-10.1	-9.8	-13.4	-12.1	-16.5	16.7
135.0	-16.0	-11.5	-10.5	-11.2	-14.7	17.3	11.8	10.4	10.4	11.9	16.8	-15.5	-11.5	-10.1	-9.8	-12.2	-16.7	12.2
136.0	15.6	-15.4	-11.4	-10.5	-11.3	-15.0	16.6	11.7	10.3	10.4	12.0	17.2	-15.2	-11.4	-10.1	-9.8	-10.5	10.5
137.0	11.6	16.3	-14.9	-11.2	-10.5	-11.5	-11.6	16.1	11.6	10.3	10.5	12.1	17.8	-11.4	-11.4	-10.1	-9.9	10.5
138.0	10.7	11.7	17.0	-14.5	-11.1	-10.5	-11.6	-16.0	15.7	11.5	10.3	10.5	12.3	18.3	-14.8	-10.1	-10.1	10.1
139.0	11.5	10.7	11.9	18.0	-14.1	-11.1	-10.5	-11.7	-16.5	15.3	11.4	10.3	10.6	12.4	-14.8	-10.1	-10.1	10.1
140.0	15.6	11.4	10.7	12.1	19.1	-13.8	-11.0	-10.6	-11.9	-17.1	14.9	11.3	10.3	10.6	12.6	-14.5	-10.1	10.1
141.0	-16.0	15.0	11.3	10.7	12.3	20.7	13.5	-10.9	-10.6	-12.0	-17.8	14.6	11.2	10.3	10.7	-14.3	-10.1	10.1
142.0	-11.7	-16.8	14.5	11.2	10.8	12.6	23.2	-13.2	-10.9	-10.6	-12.2	-18.6	14.3	11.2	10.3	-12.7	-10.1	10.1
143.0	-10.5	-11.9	-17.8	14.0	11.1	10.8	12.8	29.6	-13.0	-10.8	-10.7	-12.4	-19.6	14.0	11.1	-10.3	-10.1	10.1
144.0	-12.0	-10.9	-12.1	-19.2	13.6	11.0	10.9	13.1	-26.0	-12.7	-10.8	-10.7	-12.6	-20.9	13.8	11.0	10.3	10.9
145.0	-17.0	-11.8	-10.9	-12.3	-21.2	13.3	11.0	11.0	13.4	-22.1	-12.5	-10.7	-10.8	-12.8	-22.7	13.6	11.0	10.3
146.0	14.5	-16.6	-11.6	-10.9	-12.6	-25.0	13.0	10.9	11.1	13.7	-20.2	-12.3	-10.7	-10.9	-13.0	-25.8	13.3	10.9
147.0	11.4	15.1	-15.7	-11.5	-11.0	-12.9	29.3	12.7	10.9	11.2	14.0	-18.8	-12.2	-10.7	-10.9	-13.2	39.9	13.2
148.0	11.1	11.6	15.9	-15.0	-11.4	-11.0	-13.2	22.6	12.5	10.8	11.3	14.4	-17.9	-12.0	-10.6	-11.0	-13.4	25.6
149.0	13.3	11.1	11.7	16.8	-14.5	-11.3	-11.1	-13.6	20.2	12.3	10.8	11.4	-14.8	-17.1	-11.9	-10.6	-11.1	-13.6
150.0	-23.9	12.9	11.0	11.9	17.3	-14.0	-11.2	-11.2	-14.0	18.6	12.1	10.8	11.5	15.3	-16.4	-11.8	-10.6	-11.2
151.0	-12.8	27.9	12.6	11.0	12.2	19.5	-13.6	11.1	11.3	-14.4	17.5	11.9	10.8	11.7	15.8	-15.8	-11.6	-10.6
152.0	-11.9	-11.2	-13.6	19.0	12.1	11.1	12.7	28.5	-12.9	-11.0	-11.6	-15.4	15.9	11.6	10.8	12.0	17.1	-14.9
153.0	-16.8	-11.7	-11.3	-14.1	17.4	11.9	11.1	13.0	-24.7	-12.6	-12.4	-11.7	-16.1	-15.3	11.5	10.8	12.1	17.9
154.0	14.9	-15.8	-11.6	-11.4	-14.7	16.3	11.7	11.2	13.4	-20.9	-12.4	-11.0	-11.9	-16.9	14.8	11.4	11.3	10.9
155.0	11.6	15.8	-15.0	-11.5	-11.6	-15.4	15.5	11.6	11.3	13.8	-19.0	-12.2	-11.0	-12.1	-17.8	-14.4	-14.0	11.2
156.0	11.5	11.8	16.9	-14.3	-11.4	-11.7	-16.3	14.8	11.4	11.4	14.3	14.8	-16.7	-11.8	-12.3	-19.0	-14.0	13.7
157.0	14.3	11.4	12.0	18.3	-13.8	-11.3	-11.9	-17.4	14.3	11.3	11.5	14.8	15.4	-15.9	-11.7	-11.1	-12.7	-23.1
158.0	-18.3	13.7	11.3	12.3	20.6	-13.3	-11.2	-12.1	-18.8	13.8	11.4	11.6	11.8	16.2	-15.2	-11.6	-11.4	-13.0
159.0	-12.3	-20.8	13.2	11.3	12.6	25.6	-12.9	-11.2	-12.4	-21.0	13.4	11.2	11.8	16.2	-15.2	-11.6	-11.4	-11.2
160.0	-11.4	-12.6	-27.7	12.8	11.3	13.0	-25.1	-12.6	11.2	-12.7	-25.7	13.0	11.2	11.9	17.0	-14.7	-11.4	-11.2
161.0	-13.2	-11.4	-13.0	-11.5	-14.7	11.3	13.4	-20.5	-12.3	-11.2	-23.0	26.0	12.7	11.2	12.1	18.1	-14.2	-11.4
162.0	27.2	-12.8	-11.4	-13.5	12.5	12.2	11.4	13.9	-18.4	-12.1	-11.3	-13.4	21.2	12.5	11.2	12.4	19.6	-13.8
163.0	11.5	-22.9	-19.2	-11.5	-14.5	17.6	12.0	11.5	14.4	-17.0	-11.9	-11.7	13.8	19.0	12.2	11.2	12.6	21.8
164.0	12.7	13.5	-19.4	-17.3	-11.9	-14.7	16.3	11.8	11.6	15.1	-16.0	-11.7	11.5	14.3	17.6	12.0	11.2	12.9
165.0	16.0	11.5	14.1	-14.8	-11.7	-15.5	-15.5	15.4	11.6	11.8	15.9	-15.2	-11.6	-11.6	-14.9	16.6	11.9	11.2
166.0	21.9	12.4	11.6	14.8	-15.7	-15.1	11.8	-16.5	14.6	11.5	11.9	16.9	14.5	-11.4	-11.7	-15.6	15.7	11.7
167.0	-13.6	-18.6	12.1	11.7	15.7	-15.1	-11.8	-12.1	-17.8	14.0	11.5	12.2	18.3	-14.0	-11.4	-11.9	16.4	15.1
168.0	-11.6	-14.2	16.8	11.9	11.9	16.9	-14.3	-12.1	-17.8	-19.8	11.5	11.4	12.4	20.3	-13.6	-11.4	-12.1	17.4
169.0	-12.5	-11.7	-15.1	15.6	11.7	12.1	18.6	-13.7	-11.5	-12.6	-23.7	13.1	11.4	12.7	28.1	-13.2	-11.3	-12.3
170.0	-19.7	-12.2	-11.8	-16.1	14.7	11.6	12.4	21.3	-13.3	-11.5	-13.0	27.7	12.8	11.4	13.0	-23.2	-12.8	-11.3
171.0																		

TABLE VII. - Concluded

BESSEL FUNCTIONS OF ORDER 108 TO 125

BESSEL FUNCTION ORDER

ARG	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
172.0	14.0	-12.0	-17.5	-14.0	14.0	11.6	12.8	31.0	-12.9	-11.5	-13.4	21.2	12.5	11.4	13.4	21.6	12.6
173.0	11.7	-15.9	-12.3	-12.3	-19.7	13.4	11.5	13.2	-23.5	-12.5	-11.5	-13.9	18.7	12.2	11.5	13.9	19.2
174.0	12.5	11.8	-14.9	-11.7	-12.6	24.5	13.0	11.6	13.7	-19.2	-12.3	11.6	-14.4	17.2	12.0	11.6	14.4
175.0	19.3	12.2	17.2	-14.1	-11.6	-13.0	24.7	12.6	11.6	14.2	-17.4	12.0	-11.7	15.1	16.1	11.9	11.7
176.0	-14.1	12.0	12.3	19.3	-13.5	11.6	-13.5	19.9	12.3	11.7	15.0	16.2	-11.9	11.9	-16.0	15.3	11.7
177.0	17.1	15.7	11.8	12.6	23.5	-11.6	-11.6	-14.1	17.7	12.1	11.9	15.8	-15.2	11.7	12.0	17.0	14.6
178.0	-12.7	-11.9	14.7	11.7	13.0	-25.3	-12.7	-11.7	-14.8	16.3	11.9	12.0	-11.7	14.5	-11.6	12.3	18.5
179.0	-20.1	-12.1	-12.4	-20.2	11.7	13.5	-19.9	-12.3	-11.9	-15.7	15.3	11.8	12.3	18.5	-13.9	11.6	12.5
180.0	13.9	-15.9	-11.9	-12.7	13.4	11.7	14.1	-17.6	-12.1	-12.0	-16.8	14.5	11.7	12.5	21.0	13.6	11.6
181.0	11.8	14.8	-11.9	-12.7	-27.6	12.9	11.8	14.8	-16.2	-11.9	-12.3	-18.5	13.9	11.6	12.9	27.5	13.1
182.0	18.9	11.9	-17.4	-11.8	-13.2	22.3	12.5	11.9	15.8	-15.2	-11.8	11.7	-21.2	13.4	11.6	13.2	13.7
183.0	23.0	12.5	17.4	-14.0	-11.8	-13.7	18.7	12.3	12.1	17.1	-14.4	-11.7	-21.2	13.4	11.6	13.2	13.7
184.0	-13.6	18.7	12.4	20.0	-13.4	11.8	-14.4	16.8	12.0	12.3	18.9	-13.8	-11.7	13.3	22.6	12.7	11.7
185.0	-11.9	-14.3	12.0	12.7	27.0	-12.9	-11.9	-15.3	15.6	11.9	12.6	22.3	-11.8	11.7	-13.8	19.3	12.4
186.0	11.9	-15.3	15.3	11.9	13.2	22.2	-12.6	-12.0	-15.5	14.7	11.8	13.0	-29.6	12.9	11.8	14.4	17.4
187.0	27.3	-12.9	-16.7	14.4	11.9	13.7	-18.6	-12.3	-12.2	-18.1	14.0	11.8	13.4	12.9	-12.5	-11.9	-15.1
188.0	13.2	-21.5	-12.5	-18.8	13.7	11.9	14.5	-16.7	-12.1	-12.5	-20.9	13.4	11.8	14.0	-18.3	-12.3	-12.0
189.0	12.0	13.8	-12.2	-12.6	-23.1	13.1	11.9	15.4	-15.5	-11.9	-20.9	13.6	13.0	11.8	-14.7	-16.8	-12.1
190.0	14.1	11.9	-16.2	-12.0	-13.0	24.8	12.7	12.1	16.7	-14.5	-11.9	13.3	22.0	12.6	11.9	15.5	-15.6
191.0	-19.7	13.4	15.7	-15.0	-11.9	-13.6	19.4	12.4	12.3	18.5	-13.9	-13.8	-13.9	18.7	12.3	12.1	16.6
192.0	-12.1	-27.9	12.2	17.3	14.1	11.9	-14.3	17.1	12.2	12.6	21.9	-13.3	-11.9	14.5	16.9	15.7	12.9
193.0	-13.2	-12.0	12.5	12.4	19.9	-13.5	-12.0	-15.2	-12.3	-18.1	14.0	11.9	-12.9	-12.0	-15.4	12.1	12.9
194.0	-15.3	-12.0	17.9	12.3	12.8	27.9	-13.0	-12.1	-16.4	14.7	11.9	13.5	-20.7	12.6	-12.1	16.5	14.8
195.0	16.8	-14.3	-14.7	16.1	12.1	13.3	-21.7	-12.6	-12.3	-18.1	14.0	11.9	14.1	18.0	-12.3	12.3	18.1
196.0	12.4	19.2	-12.1	-15.9	14.9	12.0	13.9	18.2	-12.3	-12.6	-21.2	13.4	12.0	14.8	-16.4	-12.1	-12.6
197.0	12.5	12.7	-13.0	-12.3	-17.6	14.0	12.0	14.7	-16.4	-12.1	-13.0	34.8	12.9	12.1	15.8	15.3	-12.0
198.0	17.5	15.3	-21.9	-12.6	-12.5	20.7	13.4	12.1	15.7	-15.2	-12.0	-13.5	20.9	12.6	12.2	17.2	-14.5
199.0	-14.9	15.7	13.9	-18.1	-12.3	-12.9	39.9	12.9	12.3	17.2	-14.3	12.0	-14.1	18.0	12.3	12.5	12.8
200.0	-12.2	-16.3	12.1	14.7	-16.2	12.2	-13.4	20.6	12.6	12.5	19.6	13.6	-12.0	14.9	16.4	12.2	12.0
201.0	-13.1	-12.4	13.8	12.2	15.9	14.9	-12.1	-14.1	17.7	12.3	12.1	25.6	-13.1	12.7	-15.9	15.3	12.0
202.0	-23.9	-12.7	-23.0	13.2	12.3	17.6	-14.1	-12.1	-15.0	-16.0	12.1	13.3	-22.8	12.7	-12.3	17.3	14.4
203.0	13.7	-18.6	-13.1	23.6	12.7	12.6	20.7	-13.4	-12.2	16.2	14.9	12.1	13.9	-18.8	-12.4	-12.5	-19.5
204.0	12.2	14.5	-12.2	-13.7	18.7	12.4	13.0	33.9	-12.9	-12.4	-17.9	14.1	12.1	14.6	-16.8	15.5	12.9
205.0	14.3	12.2	-15.0	-12.2	-14.6	16.5	12.2	13.5	-20.4	-12.6	-12.6	13.0	13.5	12.1	15.6	15.5	-12.9
206.0	-13.6	13.5	17.5	-14.1	-12.2	-15.7	15.2	12.1	14.2	-17.5	-12.3	13.0	34.8	13.0	12.3	16.9	14.6
207.0	-12.9	-23.6	12.6	20.8	-13.4	12.3	-17.4	14.2	12.2	15.1	-15.9	12.2	-13.5	20.7	12.6	12.5	18.9
208.0	-16.5	-13.4	12.6	13.0	-29.0	-12.9	-12.6	-20.2	13.5	12.3	16.4	-14.8	-12.1	14.2	-17.8	12.4	12.8
209.0	-16.4	-12.3	17.4	12.4	13.6	19.7	-12.6	-13.0	-32.7	13.0	12.4	18.3	14.0	-12.1	15.0	16.2	12.8
210.0	15.8	-12.2	-15.1	15.6	12.2	14.3	-17.1	-12.3	-13.5	20.8	12.6	12.7	21.9	13.4	-12.2	16.2	15.1
211.0	12.4	17.7	-12.3	-16.6	14.5	12.2	15.4	-15.5	-12.2	-14.2	17.7	12.4	13.1	27.1	-12.9	12.4	17.8

TABLE VIII. — Continued

BESSEL FUNCTIONS OF ORDER 126 TO 143

ARG	BESSEL FUNCTION ORDER																	
	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
24.0	758.0	769.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
24.2	754.5	764.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
24.4	750.1	760.2	770.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
24.6	745.7	755.8	765.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
24.8	741.3	751.4	761.5	763.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
25.0	737.0	747.0	757.1	767.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
25.2	732.7	742.7	752.8	762.8	768.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
25.4	728.5	738.5	748.4	758.5	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
25.6	724.3	734.2	744.2	754.2	764.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
25.8	720.1	730.0	739.9	749.9	759.9	769.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
26.0	716.0	725.8	735.7	745.7	755.6	765.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
26.2	711.8	721.7	731.6	741.4	751.4	761.3	770.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
26.4	707.8	717.6	727.4	737.3	747.2	757.1	767.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
26.6	703.8	713.5	723.3	733.1	743.0	752.9	762.8	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
26.8	699.8	709.5	719.2	729.0	738.9	748.7	758.6	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
27.0	695.8	705.5	715.2	725.0	734.7	744.6	754.4	764.3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
27.2	691.9	701.5	711.2	720.9	730.7	740.5	750.3	760.1	770.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
27.4	687.9	697.6	707.2	716.9	726.6	736.4	746.2	756.0	765.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
27.6	684.1	693.6	703.3	712.9	722.6	732.3	742.1	751.9	761.7	769.7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
27.8	680.2	689.8	699.3	709.0	718.6	728.3	738.0	747.8	757.6	767.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
28.0	676.4	685.9	695.5	705.0	714.7	724.3	734.0	743.8	753.5	763.3	768.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9
28.2	672.6	682.1	691.6	701.2	710.8	720.4	730.0	739.7	749.5	759.2	769.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9
28.4	668.8	678.3	687.8	697.3	706.9	716.5	726.1	735.8	745.5	755.2	764.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
28.6	665.1	674.5	684.0	693.5	703.0	712.6	722.2	731.8	741.5	751.2	760.9	770.6	999.9	999.9	999.9	999.9	999.9	999.9
28.8	661.4	670.7	680.2	689.7	699.2	708.7	718.3	727.9	737.5	747.2	756.9	766.6	999.9	999.9	999.9	999.9	999.9	999.9
29.0	657.7	667.0	676.4	685.9	695.3	704.8	714.4	724.0	733.6	743.2	752.9	762.6	769.0	999.9	999.9	999.9	999.9	999.9
29.2	654.0	663.3	672.7	682.1	691.6	701.0	710.5	720.1	729.7	739.3	748.9	758.6	768.3	999.9	999.9	999.9	999.9	999.9
29.4	650.4	659.7	669.0	678.4	687.8	697.2	706.7	716.2	725.8	735.4	745.0	754.6	764.3	999.9	999.9	999.9	999.9	999.9
29.6	646.8	656.0	665.3	674.7	684.1	693.5	702.9	712.4	721.9	731.5	741.1	750.7	760.3	770.0	999.9	999.9	999.9	999.9
29.8	643.2	652.4	661.7	671.0	680.4	689.8	699.2	708.6	718.1	727.6	737.2	746.8	756.4	766.0	999.9	999.9	999.9	999.9
30.0	639.6	648.8	658.1	667.4	676.7	686.1	695.4	704.9	714.3	723.8	733.3	742.9	752.5	762.1	769.5	999.9	999.9	999.9
30.2	636.1	645.3	654.5	663.8	673.0	682.4	691.7	701.1	710.5	720.0	729.5	739.0	748.6	758.2	767.8	999.9	999.9	999.9
30.4	632.6	641.7	650.9	660.2	669.4	678.7	688.0	697.4	706.8	716.2	725.7	735.2	744.7	754.3	763.9	767.8	999.9	999.9
30.6	629.1	638.2	647.4	656.6	665.8	675.1	684.4	693.7	703.1	712.5	721.9	731.4	740.9	750.4	760.0	769.6	999.9	999.9
30.8	625.6	634.7	643.9	653.0	662.2	671.5	680.8	690.1	699.4	708.8	718.2	727.6	737.1	746.6	756.1	765.6	999.9	999.9
31.0	622.2	631.3	640.4	649.5	658.7	667.9	677.1	686.4	695.7	705.1	714.4	723.9	733.3	742.8	752.3	761.8	769.9	999.9
31.2	618.8	627.8	636.9	646.0	655.2	664.3	673.6	682.8	692.1	701.4	710.7	720.1	729.5	739.0	748.5	758.0	767.5	999.9
31.4	615.4	624.4	633.5	642.6	651.7	660.8	670.0	679.2	688.5	697.8	707.1	716.4	725.8	735.2	744.7	754.1	763.7	768.1
31.6	612.0	621.0	630.0	639.1	648.2	657.3	666.5	675.7	684.9	694.1	703.4	712.7	722.1	731.5	740.9	750.4	759.8	769.4
31.8	608.7	617.7	626.6	635.7	644.7	653.8	663.0	672.1	681.3	690.5	699.8	709.1	718.4	727.8	737.2	746.6	756.0	765.5

TABLE VIII. - Continued
 BESSEL FUNCTIONS OF ORDER 126 TO 143

ARG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
32.0	605.4	614.3	623.3	632.3	641.3	650.4	659.5	668.6	677.8	687.0	695.2	705.5	714.8	724.1	733.5	742.9	752.3	761.7
32.5	597.2	606.0	614.9	623.9	632.8	641.8	650.8	659.9	669.0	678.1	687.3	696.5	705.7	715.0	724.3	733.6	743.0	752.4
33.0	589.1	597.9	606.7	615.6	624.5	633.4	642.4	651.4	660.4	669.5	678.5	687.5	696.8	706.0	715.3	724.5	733.8	743.1
33.5	581.2	589.9	598.6	607.4	616.3	625.1	634.0	642.9	651.9	660.9	669.9	679.0	688.1	697.2	706.4	715.6	724.8	734.0
34.0	573.4	582.0	590.7	599.4	608.2	617.0	625.8	634.7	643.6	652.5	661.5	670.5	679.5	688.5	697.6	706.8	715.9	725.1
34.5	565.7	574.3	582.9	591.5	600.2	609.0	617.7	626.5	635.3	644.2	653.1	662.0	671.0	680.0	689.0	698.1	707.2	716.3
35.0	558.1	566.6	575.2	583.8	592.4	601.1	609.8	618.5	627.3	636.1	644.9	653.8	662.7	671.6	680.5	689.5	698.6	707.6
35.5	550.6	559.1	567.6	576.1	584.7	593.3	601.9	610.6	619.3	628.0	636.8	645.6	654.4	663.3	672.2	681.1	690.1	699.1
36.0	543.3	551.7	560.1	568.6	577.1	585.6	594.2	602.8	611.4	620.1	628.8	637.6	646.3	655.1	664.0	672.8	681.7	690.7
36.5	536.1	544.4	552.8	561.2	569.6	578.1	586.6	595.1	603.7	612.3	621.0	629.6	638.4	647.1	655.9	664.7	673.5	682.4
37.0	528.9	537.2	545.5	553.9	562.2	570.7	579.1	587.6	596.1	604.6	613.2	621.8	630.5	639.2	647.9	656.6	665.4	674.2
37.5	521.9	530.1	538.4	546.7	555.0	563.3	571.7	580.1	588.6	597.1	605.6	614.2	622.7	631.4	640.0	648.7	657.4	666.2
38.0	515.0	523.2	531.3	539.6	547.8	556.1	564.4	572.8	581.2	589.6	598.1	606.6	615.1	623.7	632.3	640.9	649.5	658.2
38.5	508.2	516.3	524.4	532.6	540.8	549.0	557.3	565.6	573.9	582.3	590.7	599.1	607.6	616.1	624.6	633.2	641.8	650.4
39.0	501.5	509.5	517.6	525.7	533.8	542.0	550.2	558.4	566.7	575.0	583.4	591.7	600.2	608.6	617.1	625.6	634.1	642.7
39.5	494.8	502.8	510.8	518.9	527.0	535.1	543.2	551.4	559.6	567.9	576.2	584.5	592.8	601.2	609.6	618.1	626.6	635.1
40.0	488.3	496.2	504.2	512.2	520.2	528.2	536.3	544.5	552.6	560.9	569.1	577.3	585.6	593.9	602.3	610.7	619.1	627.6
40.5	481.9	489.7	497.6	505.5	513.5	521.5	529.6	537.6	545.7	553.9	562.0	570.2	578.5	586.8	595.1	603.4	611.8	620.2
41.0	475.5	483.3	491.1	499.0	506.9	514.9	522.9	530.9	538.9	547.0	555.1	563.3	571.5	579.7	587.9	596.2	604.5	612.9
41.5	469.2	477.0	484.8	492.6	500.4	508.4	516.3	524.2	532.2	540.2	548.3	556.4	564.5	572.7	580.9	589.1	597.4	605.6
42.0	463.0	470.7	478.5	486.2	494.0	501.9	509.7	517.6	525.6	533.6	541.6	549.6	557.7	565.8	573.9	582.1	590.3	598.5
42.5	456.9	464.6	472.3	480.1	487.9	495.6	503.3	511.2	519.0	527.0	534.9	542.9	550.9	559.0	567.1	575.2	583.3	591.5
43.0	450.9	458.5	466.1	473.8	481.5	489.2	497.0	504.8	512.6	520.5	528.4	536.3	544.3	552.3	560.3	568.3	576.4	584.6
43.5	445.0	452.5	460.1	467.7	475.3	483.0	490.7	498.4	506.2	514.0	521.9	529.8	537.7	545.6	553.6	561.6	569.7	577.7
44.0	439.1	446.6	454.1	461.7	469.2	476.9	484.5	492.2	499.9	507.7	515.5	523.3	531.2	539.1	547.0	555.0	562.9	571.0
44.5	433.3	440.7	448.2	455.7	463.2	470.8	478.4	486.0	493.7	501.4	509.2	516.9	524.8	532.6	540.5	548.4	556.3	564.3
45.0	427.5	435.0	442.4	449.8	457.3	464.8	472.4	480.0	487.6	495.2	502.9	510.7	518.4	526.2	534.0	541.9	549.8	557.7
45.5	421.9	429.3	436.6	444.0	451.5	458.9	466.4	474.0	481.5	489.1	496.8	504.5	512.2	519.9	527.7	535.5	543.3	551.2
46.0	416.4	423.6	431.0	438.3	445.7	453.1	460.5	468.0	475.6	483.1	490.7	498.3	506.0	513.7	521.4	529.1	536.9	544.8
46.5	410.9	418.1	425.3	432.6	440.0	447.3	454.7	462.2	469.6	477.1	484.7	492.3	499.9	507.5	515.2	522.9	530.6	538.4
47.0	405.4	412.6	419.8	427.1	434.3	441.6	449.0	456.4	463.8	471.3	478.8	486.3	493.8	501.4	509.0	516.7	524.4	532.1
47.5	400.1	407.2	414.3	421.5	428.8	436.0	443.3	450.7	458.0	465.4	472.9	480.4	487.9	495.4	503.0	510.6	518.2	525.9
48.0	394.7	401.8	408.9	416.1	423.3	430.5	437.7	445.0	452.3	459.7	467.1	474.5	482.0	489.5	497.0	504.6	512.2	519.8
48.5	389.5	396.5	403.6	410.7	417.8	425.0	432.2	439.4	446.7	454.0	461.4	468.7	476.2	483.6	491.1	498.6	506.1	513.7
49.0	384.3	391.3	398.3	405.4	412.5	419.6	426.7	433.9	441.2	448.4	455.7	463.0	470.4	477.8	485.2	492.7	500.2	507.8
49.5	379.2	386.1	393.1	400.1	407.1	414.2	421.3	428.5	435.7	442.9	450.1	457.4	464.7	472.1	479.5	486.9	494.3	501.8
50.0	374.2	381.0	388.0	394.9	401.9	408.9	416.0	423.1	430.2	437.4	444.6	451.8	459.1	466.4	473.7	481.1	488.5	495.9
50.5	369.2	376.0	382.9	389.8	396.7	403.7	410.7	417.8	424.8	432.0	439.1	446.3	453.5	460.8	468.1	475.4	482.8	490.2
51.0	364.2	371.0	377.8	384.7	391.6	398.5	405.5	412.5	419.5	426.6	433.7	440.9	448.0	455.3	462.5	469.8	477.1	484.4
51.5	359.3	366.1	372.9	379.7	386.5	393.4	400.3	407.3	414.3	421.3	428.4	435.5	442.6	449.6	456.8	464.0	471.1	478.8

TABLE VIII. —Continued

BESSEL FUNCTIONS OF ORDER 126 TO 143

BESSEL FUNCTION ORDER

	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
52.0	354.5	361.2	367.9	374.7	381.5	388.4	395.2	402.1	409.1	416.1	423.1	430.2	437.2	444.4	451.5	458.7	465.9	473.2
52.5	343.7	350.4	357.1	363.8	370.6	377.4	384.2	391.0	397.8	404.6	411.4	418.2	425.0	431.8	438.6	445.4	452.2	459.0
53.0	343.0	351.6	358.3	365.0	371.7	378.4	385.1	391.8	398.5	405.2	411.9	418.6	425.3	432.0	438.7	445.4	452.1	458.8
53.5	340.4	345.9	353.6	360.3	367.0	373.7	380.4	387.1	393.8	400.5	407.2	413.9	420.6	427.3	434.0	440.7	447.4	454.1
54.0	335.8	342.3	348.8	355.4	362.0	368.6	375.2	381.8	388.4	395.0	401.6	408.2	414.8	421.4	428.0	434.6	441.2	447.8
54.5	331.2	337.7	344.2	350.7	357.3	363.8	370.4	376.9	383.5	390.0	396.6	403.1	409.7	416.2	422.8	429.3	435.9	442.4
55.0	326.7	333.1	339.6	346.1	352.6	359.1	365.6	372.1	378.6	385.1	391.6	398.1	404.6	411.1	417.6	424.1	430.6	437.1
55.5	322.2	328.5	334.8	341.1	347.4	353.7	360.0	366.3	372.6	378.9	385.2	391.5	397.8	404.1	410.4	416.7	423.0	429.3
56.0	317.8	324.0	330.2	336.4	342.6	348.8	355.0	361.2	367.4	373.6	379.8	386.0	392.2	398.4	404.6	410.8	417.0	423.2
56.5	313.4	319.5	325.6	331.7	337.8	343.9	350.0	356.1	362.2	368.3	374.4	380.5	386.6	392.7	398.8	404.9	411.0	417.1
57.0	309.2	315.1	321.0	326.9	332.8	338.7	344.6	350.5	356.4	362.3	368.2	374.1	380.0	385.9	391.8	397.7	403.6	409.5
57.5	304.9	310.7	316.5	322.3	328.1	333.9	339.7	345.5	351.3	357.1	362.9	368.7	374.5	380.3	386.1	391.9	397.7	403.5
58.0	300.7	306.3	311.9	317.5	323.1	328.7	334.3	340.0	345.6	351.2	356.8	362.4	368.0	373.6	379.2	384.8	390.4	396.0
58.5	296.5	302.0	307.5	313.0	318.5	324.0	329.5	335.0	340.5	346.0	351.5	357.0	362.5	368.0	373.5	379.0	384.5	390.0
59.0	292.4	297.8	303.2	308.6	314.0	319.4	324.8	330.2	335.6	341.0	346.4	351.8	357.2	362.6	368.0	373.4	378.8	384.2
59.5	288.3	293.6	298.9	304.2	309.5	314.8	320.1	325.4	330.7	336.0	341.3	346.6	351.9	357.2	362.5	367.8	373.1	378.4
60.0	284.3	289.5	294.7	299.9	305.1	310.3	315.5	320.7	325.9	331.1	336.3	341.5	346.7	351.9	357.1	362.3	367.5	372.7
60.5	280.3	285.4	290.5	295.6	300.7	305.8	310.9	316.0	321.1	326.2	331.3	336.4	341.5	346.6	351.7	356.8	361.9	367.0
61.0	276.3	281.3	286.3	291.3	296.3	301.3	306.3	311.3	316.3	321.3	326.3	331.3	336.3	341.3	346.3	351.3	356.3	361.3
61.5	272.4	277.3	282.2	287.1	292.0	296.9	301.8	306.7	311.6	316.5	321.4	326.3	331.2	336.1	341.0	345.9	350.8	355.7
62.0	268.5	273.3	278.1	282.9	287.7	292.5	297.3	302.1	306.9	311.7	316.5	321.3	326.1	330.9	335.7	340.5	345.3	350.1
62.5	264.7	269.4	274.1	278.8	283.5	288.2	292.9	297.6	302.3	307.0	311.7	316.4	321.1	325.8	330.5	335.2	339.9	344.6
63.0	261.0	265.6	270.2	274.8	279.4	284.0	288.6	293.2	297.8	302.4	307.0	311.6	316.2	320.8	325.4	330.0	334.6	339.2
63.5	257.3	261.8	266.3	270.8	275.3	279.8	284.3	288.8	293.3	297.8	302.3	306.8	311.3	315.8	320.3	324.8	329.3	333.8
64.0	253.6	258.0	262.5	267.0	271.5	276.0	280.5	285.0	289.5	294.0	298.5	303.0	307.5	312.0	316.5	321.0	325.5	330.0
64.5	249.9	254.3	258.7	263.1	267.5	271.9	276.3	280.7	285.1	289.5	293.9	298.3	302.7	307.1	311.5	315.9	320.3	324.7
65.0	246.2	250.5	254.8	259.1	263.4	267.7	272.0	276.3	280.6	284.9	289.2	293.5	297.8	302.1	306.4	310.7	315.0	319.3
65.5	242.5	246.7	250.9	255.1	259.3	263.5	267.7	271.9	276.1	280.3	284.5	288.7	292.9	297.1	301.3	305.5	309.7	313.9
66.0	238.8	242.9	247.0	251.1	255.2	259.3	263.4	267.5	271.6	275.7	279.8	283.9	288.0	292.1	296.2	300.3	304.4	308.5
66.5	235.1	239.1	243.1	247.1	251.1	255.1	259.1	263.1	267.1	271.1	275.1	279.1	283.1	287.1	291.1	295.1	299.1	303.1
67.0	231.4	235.3	239.2	243.1	247.0	250.9	254.8	258.7	262.6	266.5	270.4	274.3	278.2	282.1	286.0	289.9	293.8	297.7
67.5	227.7	231.5	235.3	239.1	242.9	246.7	250.5	254.3	258.1	261.9	265.7	269.5	273.3	277.1	280.9	284.7	288.5	292.3
68.0	224.0	227.7	231.4	235.1	238.8	242.5	246.2	249.9	253.6	257.3	261.0	264.7	268.4	272.1	275.8	279.5	283.2	286.9
68.5	220.3	223.9	227.5	231.1	234.7	238.3	241.9	245.5	249.1	252.7	256.3	259.9	263.5	267.1	270.7	274.3	277.9	281.5
69.0	216.6	220.1	223.6	227.1	230.6	234.1	237.6	241.1	244.6	248.1	251.6	255.1	258.6	262.1	265.6	269.1	272.6	276.1
69.5	212.9	216.3	219.7	223.1	226.5	229.9	233.3	236.7	240.1	243.5	246.9	250.3	253.7	257.1	260.5	263.9	267.3	270.7
70.0	209.2	212.5	215.8	219.1	222.4	225.7	229.0	232.3	235.6	238.9	242.2	245.5	248.8	252.1	255.4	258.7	262.0	265.3
70.5	205.5	208.7	211.9	215.1	218.3	221.5	224.7	227.9	231.1	234.3	237.5	240.7	243.9	247.1	250.3	253.5	256.7	259.9
71.0	201.8	204.9	208.0	211.1	214.2	217.3	220.4	223.5	226.6	229.7	232.8	235.9	239.0	242.1	245.2	248.3	251.4	254.5
71.5	198.1	201.1	204.1	207.1	210.1	213.1	216.1	219.1	222.1	225.1	228.1	231.1	234.1	237.1	240.1	243.1	246.1	249.1

TABLE VIII. — Continued
 BESSEL FUNCTIONS OF ORDER 126 TO 143

	BESSEL FUNCTION ORDER																	
ARG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
72.0	192.1	204.2	209.3	214.5	219.7	224.9	230.2	235.5	240.9	246.3	251.7	257.2	262.7	268.2	273.8	279.4	285.1	290.8
72.5	195.0	207.0	206.1	211.3	216.4	221.6	226.9	232.2	237.5	242.8	248.0	253.2	258.5	264.6	270.2	275.8	281.4	287.0
73.0	197.9	197.9	203.0	208.1	213.2	218.4	223.6	228.8	234.1	239.4	244.8	250.2	255.6	261.1	266.6	272.2	277.7	283.4
73.5	183.9	194.9	199.9	204.9	210.0	215.1	220.3	225.5	230.8	236.1	241.4	246.8	252.2	257.6	263.1	268.6	274.1	279.7
74.0	183.9	191.8	196.8	201.8	206.8	211.9	217.1	222.3	227.5	232.7	238.0	243.4	248.7	254.1	259.6	265.0	270.6	276.1
74.5	183.9	188.8	193.7	198.6	203.6	208.6	213.5	218.5	223.5	228.5	233.5	238.6	243.7	248.7	253.8	258.9	264.0	269.0
75.0	178.0	182.8	187.7	192.6	197.6	202.5	207.6	212.7	217.8	222.9	228.1	233.3	238.6	243.9	249.2	254.6	260.0	265.5
75.5	173.0	177.9	182.8	187.7	192.6	197.5	202.5	207.5	212.6	217.7	222.8	227.9	233.0	238.1	243.2	248.3	253.4	258.5
76.0	173.0	177.9	182.8	187.7	192.6	197.5	202.5	207.5	212.6	217.7	222.8	227.9	233.0	238.1	243.2	248.3	253.4	258.5
76.5	173.0	177.9	182.8	187.7	192.6	197.5	202.5	207.5	212.6	217.7	222.8	227.9	233.0	238.1	243.2	248.3	253.4	258.5
77.0	173.0	177.9	182.8	187.7	192.6	197.5	202.5	207.5	212.6	217.7	222.8	227.9	233.0	238.1	243.2	248.3	253.4	258.5
77.5	168.5	173.4	178.3	183.2	188.1	193.0	197.9	202.8	207.7	212.6	217.5	222.4	227.3	232.2	237.1	242.0	246.9	251.8
78.0	163.0	167.9	172.8	177.7	182.6	187.5	192.4	197.3	202.2	207.1	212.0	216.9	221.8	226.7	231.6	236.5	241.4	246.3
78.5	163.0	167.9	172.8	177.7	182.6	187.5	192.4	197.3	202.2	207.1	212.0	216.9	221.8	226.7	231.6	236.5	241.4	246.3
79.0	158.5	163.4	168.3	173.2	178.1	183.0	187.9	192.8	197.7	202.6	207.5	212.4	217.3	222.2	227.1	232.0	236.9	241.8
79.5	153.0	157.9	162.8	167.7	172.6	177.5	182.4	187.3	192.2	197.1	202.0	206.9	211.8	216.7	221.6	226.5	231.4	236.3
80.0	153.0	157.9	162.8	167.7	172.6	177.5	182.4	187.3	192.2	197.1	202.0	206.9	211.8	216.7	221.6	226.5	231.4	236.3
80.5	148.0	152.9	157.8	162.7	167.6	172.5	177.4	182.3	187.2	192.1	197.0	201.9	206.8	211.7	216.6	221.5	226.4	231.3
81.0	148.0	152.9	157.8	162.7	167.6	172.5	177.4	182.3	187.2	192.1	197.0	201.9	206.8	211.7	216.6	221.5	226.4	231.3
81.5	143.5	148.4	153.3	158.2	163.1	168.0	172.9	177.8	182.7	187.6	192.5	197.4	202.3	207.2	212.1	217.0	221.9	226.8
82.0	143.5	148.4	153.3	158.2	163.1	168.0	172.9	177.8	182.7	187.6	192.5	197.4	202.3	207.2	212.1	217.0	221.9	226.8
82.5	139.0	143.9	148.8	153.7	158.6	163.5	168.4	173.3	178.2	183.1	188.0	192.9	197.8	202.7	207.6	212.5	217.4	222.3
83.0	139.0	143.9	148.8	153.7	158.6	163.5	168.4	173.3	178.2	183.1	188.0	192.9	197.8	202.7	207.6	212.5	217.4	222.3
83.5	134.5	139.4	144.3	149.2	154.1	159.0	163.9	168.8	173.7	178.6	183.5	188.4	193.3	198.2	203.1	208.0	212.9	217.8
84.0	134.5	139.4	144.3	149.2	154.1	159.0	163.9	168.8	173.7	178.6	183.5	188.4	193.3	198.2	203.1	208.0	212.9	217.8
84.5	130.0	134.9	139.8	144.7	149.6	154.5	159.4	164.3	169.2	174.1	179.0	183.9	188.8	193.7	198.6	203.5	208.4	213.3
85.0	130.0	134.9	139.8	144.7	149.6	154.5	159.4	164.3	169.2	174.1	179.0	183.9	188.8	193.7	198.6	203.5	208.4	213.3
85.5	125.5	130.4	135.3	140.2	145.1	150.0	154.9	159.8	164.7	169.6	174.5	179.4	184.3	189.2	194.1	199.0	203.9	208.8
86.0	125.5	130.4	135.3	140.2	145.1	150.0	154.9	159.8	164.7	169.6	174.5	179.4	184.3	189.2	194.1	199.0	203.9	208.8
86.5	121.0	125.9	130.8	135.7	140.6	145.5	150.4	155.3	160.2	165.1	170.0	174.9	179.8	184.7	189.6	194.5	199.4	204.3
87.0	121.0	125.9	130.8	135.7	140.6	145.5	150.4	155.3	160.2	165.1	170.0	174.9	179.8	184.7	189.6	194.5	199.4	204.3
87.5	116.5	121.4	126.3	131.2	136.1	141.0	145.9	150.8	155.7	160.6	165.5	170.4	175.3	180.2	185.1	190.0	194.9	199.8
88.0	116.5	121.4	126.3	131.2	136.1	141.0	145.9	150.8	155.7	160.6	165.5	170.4	175.3	180.2	185.1	190.0	194.9	199.8
88.5	112.0	116.9	121.8	126.7	131.6	136.5	141.4	146.3	151.2	156.1	161.0	165.9	170.8	175.7	180.6	185.5	190.4	195.3
89.0	112.0	116.9	121.8	126.7	131.6	136.5	141.4	146.3	151.2	156.1	161.0	165.9	170.8	175.7	180.6	185.5	190.4	195.3
89.5	107.5	112.4	117.3	122.2	127.1	132.0	136.9	141.8	146.7	151.6	156.5	161.4	166.3	171.2	176.1	181.0	185.9	190.8
90.0	107.5	112.4	117.3	122.2	127.1	132.0	136.9	141.8	146.7	151.6	156.5	161.4	166.3	171.2	176.1	181.0	185.9	190.8
90.5	103.0	107.9	112.8	117.7	122.6	127.5	132.4	137.3	142.2	147.1	152.0	156.9	161.8	166.7	171.6	176.5	181.4	186.3
91.0	103.0	107.9	112.8	117.7	122.6	127.5	132.4	137.3	142.2	147.1	152.0	156.9	161.8	166.7	171.6	176.5	181.4	186.3
91.5	98.5	103.4	108.3	113.2	118.1	123.0	127.9	132.8	137.7	142.6	147.5	152.4	157.3	162.2	167.1	172.0	176.9	181.8

TABLE VIII. — Continued
 BESSEL FUNCTIONS OF ORDER 126 TO 143

ARG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
92.0	96.8	100.5	104.3	108.0	111.9	115.8	119.7	123.7	127.7	131.7	135.8	140.0	144.2	148.4	152.7	157.0	161.3	165.7
93.0	92.8	96.4	100.1	103.8	107.6	111.4	115.2	119.1	123.1	127.1	131.1	135.2	139.3	143.5	147.7	152.0	156.2	160.6
94.0	83.3	88.5	92.0	95.6	99.2	102.9	106.6	110.4	114.2	118.1	122.0	126.0	130.0	134.0	138.1	142.2	146.4	150.6
95.0	85.0	81.2	84.6	87.7	91.2	94.8	98.4	102.0	105.7	109.5	113.2	117.1	120.9	124.9	128.8	132.8	136.9	141.0
96.0	81.2	84.3	87.4	90.9	94.8	98.8	102.5	106.2	109.9	113.7	117.6	121.5	125.4	129.4	133.4	137.5	141.6	145.7
97.0	77.5	77.2	80.6	83.9	87.4	91.2	95.4	99.0	102.6	106.3	109.9	113.8	117.6	121.4	125.3	129.3	133.2	137.3
98.0	73.0	72.2	76.0	80.2	83.6	87.0	90.5	94.0	97.6	101.2	104.8	108.5	112.3	116.1	119.9	123.8	127.7	131.7
99.0	67.0	70.2	73.4	76.6	79.9	83.3	86.7	90.1	93.6	97.2	100.8	104.4	108.1	111.8	115.6	119.4	123.3	127.2
100.0	63.7	66.8	69.9	73.1	76.3	79.6	82.9	86.3	89.8	93.3	96.8	100.4	104.0	107.6	111.4	115.1	118.9	122.8
101.0	60.5	63.5	66.5	69.7	72.8	76.0	79.3	82.6	86.0	89.4	92.9	96.4	100.0	103.6	107.2	110.9	114.6	118.4
102.0	57.3	60.3	63.3	66.3	69.4	72.6	75.8	79.0	82.3	85.7	89.1	92.5	96.0	99.6	103.1	106.8	110.5	114.2
103.0	54.3	57.1	60.1	63.0	66.1	69.1	72.3	75.5	78.7	82.0	85.3	88.7	92.2	95.6	99.2	102.7	106.4	110.0
104.0	51.3	54.1	57.0	59.9	62.8	65.8	68.9	72.0	75.2	78.4	81.7	85.0	88.4	91.8	95.3	98.8	102.3	105.9
105.0	48.4	51.2	53.9	56.8	59.6	62.6	65.6	68.7	71.8	74.9	78.1	81.4	84.7	88.1	91.5	94.9	98.4	101.9
106.0	45.6	48.3	51.0	53.7	56.5	59.4	62.4	65.4	68.4	71.5	74.6	77.8	81.1	84.4	87.7	91.1	94.5	98.0
107.0	42.9	45.6	48.1	50.8	53.5	56.4	59.2	62.2	65.1	68.0	71.2	74.4	77.6	80.8	84.1	87.4	90.8	94.2
108.0	40.3	42.8	45.4	48.0	50.7	53.4	56.2	59.0	62.0	64.9	67.9	71.0	74.1	77.3	80.5	83.8	87.1	90.4
109.0	37.6	40.2	42.7	45.2	47.8	50.5	53.2	56.0	58.9	61.7	64.7	67.7	70.8	73.9	77.0	80.2	83.5	86.8
110.0	35.0	37.7	40.1	42.6	45.1	47.7	50.4	53.1	55.8	58.7	61.5	64.5	67.5	70.5	73.6	76.7	79.9	83.2
111.0	32.5	35.3	37.6	40.0	42.4	45.0	47.6	50.2	52.9	55.7	58.5	61.3	64.3	67.2	70.3	73.3	76.5	79.6
112.0	30.0	32.9	35.2	37.5	39.9	42.3	44.8	47.4	50.0	52.7	55.5	58.3	61.1	64.1	67.0	70.0	73.1	76.2
113.0	28.6	30.7	32.8	35.1	37.4	39.8	42.2	44.7	47.3	49.9	52.6	55.3	58.1	60.9	63.8	66.8	69.8	72.9
114.0	26.5	28.5	30.6	32.8	35.0	37.3	39.7	42.1	44.6	47.1	49.7	52.4	55.1	57.9	60.8	63.6	66.4	69.6
115.0	24.5	26.4	28.5	30.5	32.7	34.9	37.2	39.6	42.0	44.5	47.0	49.6	52.3	55.0	57.7	60.6	63.4	66.4
116.0	22.6	24.5	26.4	28.4	30.5	32.6	34.8	37.1	39.5	41.9	44.3	46.9	49.5	52.1	54.8	57.6	60.4	63.2
117.0	20.8	22.6	24.4	26.4	28.3	30.4	32.5	34.7	37.0	39.4	41.8	44.2	46.7	49.3	52.0	54.6	57.4	60.2
118.0	19.2	20.8	22.6	24.4	26.3	28.3	30.3	32.5	34.7	36.9	39.3	41.6	44.1	46.6	49.2	51.8	54.5	57.2
119.0	17.6	19.1	20.8	22.5	24.4	26.3	28.2	30.3	32.4	34.6	36.8	39.2	41.5	44.0	46.5	49.0	51.7	54.3
120.0	16.1	17.5	19.1	20.8	22.5	24.3	26.2	28.2	30.2	32.3	34.5	36.8	39.1	41.4	43.9	46.4	48.9	51.5
121.0	14.7	16.1	17.5	19.1	20.7	22.5	24.3	26.2	28.1	30.2	32.3	34.4	36.7	39.0	41.3	43.7	46.2	48.8
122.0	13.5	14.7	16.1	17.5	19.1	20.7	22.4	24.2	26.1	28.1	30.1	32.2	34.3	36.6	38.9	41.2	43.6	46.1
123.0	12.4	13.5	14.7	16.1	17.5	19.1	20.7	22.4	24.2	26.1	28.0	30.0	32.1	34.3	36.5	38.8	41.1	43.5
124.0	11.4	12.4	13.5	14.7	16.1	17.5	19.0	20.7	22.4	24.2	26.0	28.0	30.0	32.1	34.2	36.4	38.7	41.0
125.0	10.5	11.4	12.4	13.5	14.7	16.1	17.5	19.0	20.6	22.3	24.1	26.0	27.9	29.9	32.0	34.1	36.3	38.6
126.0	9.8	10.5	11.4	12.4	13.5	14.7	16.1	17.5	19.0	20.6	22.3	24.1	25.9	27.9	29.9	31.9	34.0	36.2
127.0	9.3	9.8	10.5	11.4	12.4	13.5	14.7	16.0	17.5	19.0	20.6	22.3	24.0	25.9	27.8	29.8	31.9	34.0
128.0	8.7	8.9	9.3	9.8	10.5	11.4	12.4	13.5	14.7	16.0	17.5	19.0	20.6	22.2	24.0	25.8	27.7	29.7
129.0	8.0	8.7	9.3	9.8	10.5	11.4	12.4	13.5	14.7	16.0	17.5	19.0	20.5	22.2	24.0	25.8	27.7	29.7
130.0	7.3	8.0	8.7	9.3	9.8	10.6	11.4	12.4	13.5	14.7	16.0	17.4	18.9	20.5	22.2	23.9	25.8	27.7

TABLE VIII. - Continued
 BESSEL FUNCTIONS OF ORDER 126 TO 143

ARG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
132.0	9.3	8.9	8.8	8.9	9.3	9.8	10.6	11.4	12.4	13.5	14.7	16.0	17.4	18.9	20.5	22.2	23.9	25.7
133.0	10.3	9.3	8.9	8.8	8.9	9.3	9.9	10.6	11.4	12.4	13.5	14.7	16.0	17.4	18.9	20.5	22.2	23.9
134.0	12.0	10.3	9.3	8.8	8.9	8.8	9.0	9.3	9.9	10.6	11.4	12.4	13.5	14.7	16.0	17.4	18.9	20.4
135.0	16.7	12.1	10.3	9.3	8.9	8.8	8.9	9.0	9.3	9.9	10.6	11.4	12.4	13.5	14.7	16.0	17.4	18.9
136.0	-16.9	16.6	12.1	10.3	9.3	8.9	8.8	8.8	8.8	9.4	9.9	10.6	11.4	12.4	13.5	14.7	16.0	17.4
137.0	-12.3	-17.2	16.4	12.1	10.3	9.3	8.9	8.8	8.8	9.0	9.4	9.9	10.6	11.4	12.4	13.5	14.7	16.0
138.0	-10.6	-12.4	-17.4	16.2	12.0	10.3	9.3	8.9	8.8	8.8	9.0	9.4	9.9	10.6	11.4	12.4	13.5	14.7
139.0	-9.2	-10.6	-12.5	-17.7	16.1	12.0	10.2	10.2	8.9	8.8	8.8	9.0	9.4	9.9	10.6	11.4	12.4	13.5
140.0	-10.1	-9.9	-10.7	-12.6	-17.9	15.9	12.0	10.2	8.9	8.9	8.8	9.0	9.4	9.9	10.6	11.4	12.4	13.5
141.0	-11.1	-10.9	-9.9	-10.7	-12.7	-18.2	15.8	11.9	10.2	9.3	8.9	8.9	9.0	9.4	10.6	11.4	12.4	13.5
142.0	-14.0	-11.1	-10.0	-10.0	-10.7	-12.7	-18.5	15.7	11.9	10.2	9.3	8.9	8.9	9.0	10.6	11.4	12.4	13.5
143.0	23.2	-13.8	-13.7	-11.0	-10.0	-10.8	-12.8	-18.8	-19.2	15.4	11.8	10.2	9.4	8.9	9.1	9.4	10.0	10.7
144.0	13.2	25.4	-13.7	-11.0	-10.0	-10.0	-10.0	-10.9	-13.0	-19.5	15.3	11.8	10.2	9.4	9.0	8.9	9.1	9.5
145.0	11.0	13.3	29.9	-13.5	-11.0	-10.0	-10.0	-10.9	-13.0	-19.5	15.3	11.8	10.2	9.4	9.0	8.9	9.1	9.5
146.0	10.3	11.0	13.5	-11.1	-10.3	-13.4	-10.0	-10.1	-10.9	-11.0	-13.2	-20.4	15.1	11.7	10.2	9.4	9.0	9.5
147.0	10.9	10.3	11.1	13.7	-25.7	-13.2	-10.9	-10.8	-10.1	-11.0	-13.2	-20.4	15.1	11.7	10.2	9.4	9.0	9.5
148.0	13.0	10.4	10.8	10.4	11.3	-23.5	-13.1	-10.8	-10.0	-10.1	-11.0	-13.3	-20.8	15.0	11.7	10.2	9.4	9.0
149.0	22.7	12.8	13.0	10.4	11.3	14.1	-22.1	-13.0	-10.8	-10.0	-10.1	-11.1	-13.4	-21.3	14.9	11.7	10.2	9.0
150.0	-13.9	21.0	12.7	10.7	10.4	11.3	14.3	-21.0	-12.9	-10.8	-10.0	-10.1	-11.1	-13.5	-21.9	14.8	11.6	10.1
151.0	-11.3	-14.2	19.8	12.5	10.4	11.4	14.5	-20.1	-12.8	-12.8	-10.7	-10.0	-10.2	-13.5	-23.6	14.7	11.6	11.6
152.0	-10.6	-11.4	-14.5	18.9	12.4	10.7	10.5	11.5	14.7	-19.4	-12.7	-10.7	-10.0	-13.7	-23.3	14.6	11.6	11.6
153.0	-11.4	-10.6	-11.5	-14.8	18.1	12.3	10.6	10.5	11.6	15.0	-18.8	-12.6	-10.7	-13.8	-24.2	14.5	11.6	11.6
154.0	-14.6	-11.3	-10.7	-14.6	18.1	12.3	10.6	10.5	11.6	15.0	-18.8	-12.6	-10.7	-13.8	-24.2	14.5	11.6	11.6
155.0	18.3	-14.2	-11.3	-10.7	-11.7	-15.5	16.9	12.0	10.6	10.5	11.8	15.5	17.9	-12.4	-10.6	-10.3	-11.4	-10.3
156.0	12.3	20.2	-13.9	-11.2	-10.7	-11.8	-15.9	16.5	11.9	10.6	10.6	11.9	17.5	-17.5	-12.4	-10.6	-10.3	-10.3
157.0	11.0	12.7	22.0	-13.7	-11.1	-10.7	-11.9	-16.3	16.0	10.8	10.6	11.9	17.5	-17.5	-12.4	-10.6	-10.3	-10.3
158.0	11.2	11.0	12.9	25.0	-13.4	-11.1	-10.8	-12.1	-16.8	15.7	11.7	10.5	10.7	12.1	16.3	-16.8	-12.2	-10.6
159.0	13.4	11.1	11.1	13.2	-44.7	-13.2	-11.0	-10.8	-12.2	-17.4	15.3	11.7	10.5	12.1	16.3	-16.8	-12.2	-10.6
160.0	-30.1	13.1	11.1	11.2	13.4	-25.0	-13.0	-11.0	-10.8	-17.4	15.3	11.7	10.5	12.1	16.3	-16.8	-12.2	-10.6
161.0	-13.3	25.5	12.9	11.0	11.2	13.7	-22.0	-12.8	-10.9	-13.9	-18.0	15.0	12.2	16.0	17.1	-12.2	-10.6	-10.6
162.0	-11.2	-13.6	21.8	12.7	11.0	11.3	14.0	-20.3	-12.6	-12.3	-18.0	15.0	12.2	16.0	17.1	-12.2	-10.6	-10.6
163.0	-13.5	-11.3	-11.4	14.3	12.5	11.0	14.4	-19.1	-12.5	-12.5	-18.0	15.0	12.2	16.0	17.1	-12.2	-10.6	-10.6
164.0	26.6	-11.2	-11.4	14.3	12.5	11.0	14.4	-19.1	-12.5	-12.5	-18.0	15.0	12.2	16.0	17.1	-12.2	-10.6	-10.6
165.0	13.2	-13.2	-11.2	-11.5	-14.7	17.6	12.1	10.9	11.6	15.1	-17.4	-12.2	-10.8	-11.1	-13.2	-24.0	13.8	11.2
166.0	13.2	-26.7	-12.9	-11.1	-11.7	-15.2	15.8	12.0	10.9	10.8	15.5	-16.8	-12.3	-10.8	-11.1	-13.2	-24.0	13.8
167.0	11.3	13.5	-21.9	-11.1	-11.1	-11.8	-15.8	12.0	10.9	10.8	15.5	-16.8	-12.3	-10.8	-11.1	-13.2	-24.0	13.8
168.0	11.6	11.4	13.9	-19.7	-12.4	-11.1	-11.9	-16.4	15.6	11.7	11.0	12.0	16.5	-15.8	-11.8	-10.8	-11.3	-13.8
169.0	14.5	11.5	11.5	-14.3	-18.3	-12.2	-11.1	-17.1	15.1	15.1	11.6	12.0	16.5	-15.8	-11.8	-10.8	-11.3	-13.8
170.0	-13.7	14.1	11.4	11.6	14.8	-17.3	-12.1	-12.1	-17.1	-18.0	14.7	11.5	12.2	17.2	-15.4	-11.7	-10.8	-10.8
171.0	-12.6	-20.6	13.7	11.4	11.7	15.3	-15.3	-11.9	-11.1	-12.5	-19.0	14.3	11.5	11.0	12.5	18.7	-14.7	-11.5

TABLE VIII. - Concluded

BESSEL FUNCTIONS OF ORDER 126 TO 143

BESSEL FUNCTION ORDER

ARG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
172.0	-11.3	-12.8	-24.1	13.3	11.3	11.9	16.0	-15.8	-11.8	-11.2	-12.7	-20.5	14.0	11.4	11.1	12.7	19.7	-14.4
173.0	-12.3	-11.4	-13.1	31.0	13.0	11.3	12.0	16.7	-15.2	-11.7	-11.6	-12.9	22.6	11.4	11.3	11.1	12.9	21.1
174.0	-17.7	-12.1	-11.4	-13.5	22.7	12.7	11.3	12.2	17.6	-14.7	-11.2	-11.3	13.1	-26.9	13.4	11.3	11.2	13.1
175.0	15.0	-16.6	-11.9	-11.5	-13.8	20.0	12.5	11.3	12.4	18.8	-14.3	-11.5	11.3	-13.4	28.7	13.2	11.2	11.2
176.0	11.8	15.7	-15.7	-11.8	-11.6	-14.3	18.4	12.3	11.3	12.6	20.3	-13.9	11.4	-11.4	-13.7	23.3	13.0	11.2
177.0	11.6	12.0	16.6	-15.0	-11.7	-14.8	18.4	17.2	12.1	11.3	12.9	22.8	13.6	-11.4	-11.5	-11.6	21.0	12.8
178.0	14.0	11.6	12.2	17.7	-11.4	-11.6	-11.8	-15.4	16.4	12.0	11.3	13.1	28.7	-13.3	11.3	-11.3	-14.4	19.5
179.0	-20.7	13.6	11.5	12.4	19.2	-14.0	-11.5	-11.9	-16.1	15.7	11.8	11.4	13.4	-25.9	-13.1	-11.3	-11.7	-14.7
180.0	-12.8	-25.2	13.2	11.5	12.7	21.6	-13.6	-11.5	-12.1	-16.9	15.1	11.7	11.5	13.8	21.9	-12.8	-11.2	-11.8
181.0	-11.6	-13.2	25.9	12.9	11.5	13.0	27.1	-13.2	-11.4	-12.3	-18.0	14.6	11.6	14.1	14.1	-19.9	-11.2	-11.2
182.0	-12.7	-11.6	-13.6	21.0	12.6	11.5	13.3	-25.2	-12.9	-11.4	-12.5	-19.4	14.1	11.5	11.6	14.5	18.6	-12.4
183.0	-19.2	-12.5	-11.6	-14.1	18.7	12.4	11.6	13.7	-21.0	-12.7	-11.4	-11.4	21.4	13.8	11.5	11.8	15.0	-17.6
184.0	14.2	-18.0	-12.2	-11.7	-14.6	17.3	12.2	11.6	14.1	-19.0	-12.4	-11.4	13.0	-25.4	13.4	11.4	11.9	15.5
185.0	11.8	14.9	-16.6	-12.0	-11.8	-15.3	16.3	12.0	11.7	14.7	-17.6	-12.2	-11.5	-13.3	28.5	13.1	11.4	12.0
186.0	12.2	11.9	15.7	-15.7	-11.9	-12.0	-15.1	-15.5	11.9	11.8	15.3	-16.6	-12.1	-11.5	-11.6	-14.5	-12.6	-11.2
187.0	16.2	12.0	12.1	16.7	-14.9	-11.8	-12.2	-17.1	14.8	11.8	12.0	16.0	-15.8	-11.9	-11.6	-14.1	20.1	11.4
188.0	-16.0	15.3	11.9	12.3	18.0	-14.3	-11.7	-12.4	-18.5	14.3	11.7	12.1	16.8	-15.2	-11.8	-11.7	-14.5	18.6
189.0	-12.2	-17.2	14.6	11.8	12.5	19.9	-13.8	-11.7	-12.6	-20.5	13.8	11.6	12.3	-15.2	-11.8	-11.7	-11.8	-15.0
190.0	-14.8	-12.4	-18.9	14.0	11.7	12.8	23.5	-29.2	-13.4	-12.9	-24.2	13.4	11.6	17.9	19.4	-14.2	-11.6	-11.9
191.0	-14.8	-11.8	-12.7	-21.7	13.5	11.7	13.2	-13.4	-13.0	-11.6	-13.3	28.7	13.1	12.6	12.8	-14.2	-11.6	-11.9
192.0	13.2	-14.1	-11.8	-13.0	-32.1	13.1	11.7	13.6	-21.7	-12.7	-11.7	-13.6	-14.1	11.6	11.6	21.6	-13.8	-11.6
193.0	12.6	20.6	-13.6	-11.8	-13.4	22.6	12.8	11.8	14.1	-19.1	-12.5	-11.7	-14.1	12.8	11.6	11.6	26.3	-13.4
194.0	11.9	12.3	26.7	-13.2	-11.8	-13.9	19.4	12.5	11.8	14.6	-17.5	-12.3	-14.1	-14.6	12.6	11.6	13.4	-13.8
195.0	14.1	11.8	13.3	-23.6	-12.8	-11.8	14.5	17.6	12.3	11.9	15.3	-16.4	-12.1	17.9	12.4	12.4	11.7	13.8
196.0	-23.7	13.6	11.8	13.8	-19.7	-12.5	-11.9	-15.2	16.4	12.1	12.1	-16.1	-12.1	-11.9	15.2	16.8	12.2	11.7
197.0	-12.9	-27.8	13.1	11.9	14.4	-17.7	12.3	-12.1	-16.1	15.5	12.0	12.3	17.2	-14.9	-11.9	-15.9	15.9	12.0
198.0	-13.8	-11.9	-13.9	13.3	12.5	12.1	16.0	-15.4	-12.0	-12.5	14.8	11.9	12.5	18.6	-14.3	-11.8	-12.4	18.0
199.0	23.1	-13.3	-11.9	-14.5	17.4	12.3	12.3	17.2	-14.7	-11.9	-12.8	-21.2	13.7	11.8	20.7	-13.8	-11.7	-12.6
200.0	13.2	-26.3	-12.9	-12.0	-15.3	16.1	12.1	12.5	18.9	-14.1	-11.9	-13.1	-27.2	13.3	11.8	13.4	-26.8	-13.1
201.0	12.0	13.7	-20.3	-12.6	-12.2	-16.3	15.2	12.0	12.8	21.8	-13.6	-11.8	13.5	24.2	13.0	11.8	13.8	-21.4
202.0	13.8	12.0	14.3	-17.9	-12.4	-12.2	-17.0	14.4	11.9	13.1	33.0	-13.2	-11.9	-13.9	20.3	12.7	11.9	14.3
203.0	-2.2	13.3	12.0	15.0	-16.4	-12.2	-12.6	-19.8	-24.1	13.4	11.9	14.0	-19.4	-13.9	20.3	12.7	11.9	14.3
204.0	-13.3	24.4	12.9	12.2	16.0	-15.4	-12.1	-12.9	13.9	13.5	-22.5	-12.0	14.6	-13.9	-14.4	18.3	12.5	11.9
205.0	-15.1	-13.8	19.6	12.6	12.3	17.4	14.6	-13.0	-13.3	25.9	13.0	12.7	12.1	-12.6	12.0	-15.1	16.9	12.3
206.0	-13.9	-12.1	-14.5	17.4	12.3	12.6	19.4	-13.8	-12.0	-13.8	20.5	18.2	12.5	15.4	16.4	-12.1	15.9	16.0
207.0	22.9	-13.4	-12.1	-15.3	16.1	12.2	12.9	23.2	-13.4	-13.0	-14.4	18.2	12.5	12.2	16.3	-12.2	12.3	-12.5
208.0	13.2	-25.0	-13.0	-12.2	-16.4	15.1	12.1	13.3	-27.0	-13.0	-12.1	-15.1	16.7	12.4	12.4	-15.5	-14.8	-12.5
209.0	12.1	13.7	-20.0	-12.6	-12.4	-18.0	14.3	12.0	13.8	-20.6	-12.7	-12.2	15.9	15.7	12.1	17.5	-14.8	-12.0
210.0	14.4	12.1	14.4	-17.6	-12.4	-12.7	-20.5	13.7	12.1	14.3	-18.2	-12.5	-12.4	-17.1	14.9	12.0	12.9	-14.2
211.0	11.2	12.1	14.4	-12.4	-12.4	-12.7	-20.5	13.7	12.1	14.3	-18.2	-12.5	-12.4	-17.1	14.9	12.0	12.9	-14.2

TABLE IX. - Continued

BESSEL FUNCTIONS OF ORDER 144 TO 161

BESSEL FUNCTION ORDER

ARG	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	
32.0	770.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
32.5	761.8	770.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
33.0	752.5	761.9	770.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
33.5	743.3	752.6	762.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
34.0	734.3	743.6	752.8	762.2	769.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
34.5	725.4	734.6	743.8	753.1	762.4	769.6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
35.0	716.7	725.8	735.0	744.2	753.4	762.6	769.4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
35.5	708.1	717.2	726.2	735.4	744.5	753.7	762.9	769.1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
36.0	699.6	708.6	717.6	726.7	735.8	744.9	754.0	763.2	768.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
36.5	691.3	700.2	709.2	718.2	727.2	736.2	745.3	754.4	763.6	768.5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
37.0	683.1	691.9	700.8	709.8	718.7	727.7	736.7	745.8	754.9	764.0	768.2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
37.5	674.9	683.8	692.6	701.5	710.4	719.3	728.3	737.2	746.3	755.3	764.4	767.8	999.9	999.9	999.9	999.9	999.9	999.9	999.9
38.0	666.9	675.7	684.5	693.3	702.1	711.0	719.9	728.8	737.8	746.8	755.8	764.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9
38.5	659.1	667.8	676.5	685.2	694.0	702.8	711.7	720.5	729.4	738.4	747.3	756.3	765.4	999.9	999.9	999.9	999.9	999.9	999.9
39.0	651.3	659.9	668.6	677.3	686.0	694.8	703.5	712.4	721.2	730.1	739.0	747.9	756.9	765.9	999.9	999.9	999.9	999.9	999.9
39.5	643.6	652.2	660.8	669.4	678.1	686.8	695.5	704.3	713.1	721.9	730.7	739.6	748.5	757.5	766.4	999.9	999.9	999.9	999.9
40.0	636.1	644.6	653.1	661.7	670.3	679.0	687.6	696.3	705.1	713.8	722.6	731.4	740.3	749.2	758.1	767.0	999.9	999.9	999.9
40.5	628.6	637.1	645.6	654.1	662.6	671.2	679.8	688.5	697.2	705.9	714.6	723.4	732.1	741.0	749.8	758.7	767.6	999.9	999.9
41.0	621.2	629.6	638.1	646.5	655.0	663.6	672.1	680.7	689.3	698.0	706.7	715.4	724.1	732.9	741.7	750.5	759.4	768.2	999.9
41.5	614.0	622.3	630.7	639.1	647.6	656.0	664.5	673.1	681.6	690.2	698.9	707.5	716.2	724.9	733.7	742.4	751.2	760.0	999.9
42.0	606.8	615.1	623.4	631.8	640.2	648.6	657.0	665.5	674.0	682.6	691.2	699.8	708.4	717.0	725.7	734.4	743.2	752.0	999.9
42.5	599.7	608.0	616.2	624.5	632.9	641.3	649.6	658.1	666.5	675.0	683.5	692.1	700.7	709.3	717.9	726.6	735.2	744.0	999.9
43.0	592.7	600.9	609.1	617.4	625.7	634.0	642.3	650.7	659.1	667.6	676.0	684.5	693.0	701.6	710.2	718.8	727.4	736.1	999.9
43.5	585.8	594.0	602.1	610.3	618.6	626.8	635.1	643.5	651.8	660.2	668.6	677.0	685.5	694.0	702.5	711.1	719.7	728.3	999.9
44.0	579.0	587.1	595.2	603.4	611.6	619.8	628.0	636.3	644.6	652.9	661.3	669.7	678.1	686.5	695.0	703.5	712.0	720.6	999.9
44.5	572.3	580.3	588.4	596.5	604.6	612.8	621.0	629.2	637.4	645.7	654.0	662.4	670.7	679.1	687.6	696.0	704.5	713.0	999.9
45.0	565.7	573.6	581.7	589.7	597.8	605.9	614.0	622.2	630.4	638.6	646.9	655.2	663.5	671.8	680.2	688.6	697.0	705.5	999.9
45.5	559.1	567.0	575.0	583.0	591.0	600.0	609.0	618.0	627.0	636.0	645.0	654.0	663.0	672.0	681.0	690.0	699.0	708.0	999.9
46.0	552.6	560.5	568.4	576.3	584.3	592.3	600.4	608.4	616.5	624.7	632.8	641.0	649.2	657.5	665.8	674.1	682.4	690.7	999.9
46.5	546.2	554.0	561.9	569.8	577.7	585.7	593.7	601.7	609.7	617.8	625.9	634.1	642.2	650.4	658.7	666.9	675.2	683.5	999.9
47.0	539.9	547.7	555.5	563.3	571.2	579.1	587.0	595.0	603.0	611.1	619.1	627.2	635.3	643.5	651.6	659.9	668.1	676.3	999.9
47.5	533.6	541.4	549.1	556.9	564.7	572.6	580.5	588.4	596.4	604.4	612.4	620.4	628.5	636.6	644.7	652.9	661.1	669.3	999.9
48.0	527.4	535.1	542.8	550.6	558.4	566.2	574.0	581.9	589.8	597.7	605.7	613.7	621.7	629.8	637.9	646.0	654.1	662.3	999.9
48.5	521.3	529.0	536.6	544.3	552.0	559.8	567.6	575.5	583.3	591.2	599.1	607.1	615.0	623.1	631.1	639.2	647.2	655.4	999.9
49.0	515.3	522.9	530.5	538.2	545.8	553.6	561.3	569.1	576.9	584.7	592.6	600.5	608.4	616.4	624.4	632.4	640.5	648.5	999.9
49.5	509.4	516.9	524.4	532.1	539.7	547.4	555.1	562.8	570.6	578.4	586.2	594.0	601.9	609.8	617.8	625.7	633.7	641.8	999.9
50.0	503.4	510.9	518.4	526.0	533.6	541.2	548.9	556.6	564.3	572.0	579.8	587.6	595.5	603.3	611.2	619.1	627.1	635.1	999.9
50.5	497.6	505.0	512.5	520.0	527.6	535.2	542.8	550.4	558.0	565.6	573.3	581.0	588.7	596.4	604.2	612.0	619.8	627.6	999.9
51.0	491.8	499.2	506.7	514.1	521.6	529.2	536.7	544.3	552.0	559.6	567.3	575.0	582.8	590.5	598.3	606.2	614.0	621.9	999.9
51.5	486.1	493.5	500.9	508.3	515.8	523.2	530.8	538.3	545.9	553.5	561.1	568.8	576.5	584.2	592.0	599.8	607.6	615.5	999.9

TABLE IX. - Continued

BESSEL FUNCTIONS OF ORDER 144 TO 161

ARG	BESSEL FUNCTION ORDER																		
	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	
52.0	480.5	487.8	495.1	502.5	509.9	517.4	524.8	532.4	539.9	547.5	555.1	562.7	570.3	578.0	585.7	593.5	601.3	609.1	
52.5	474.9	482.2	489.5	496.8	504.2	511.6	519.0	526.5	534.0	541.5	549.0	556.6	564.2	571.9	579.5	587.2	595.0	602.7	
53.0	469.4	476.6	483.9	491.2	498.5	505.8	513.2	520.6	528.1	535.6	543.1	550.6	558.2	565.8	573.4	581.1	588.7	596.5	
53.5	463.8	471.1	478.3	485.6	492.8	500.2	507.5	514.9	522.3	529.7	537.2	544.7	552.2	559.8	567.3	575.0	582.6	590.3	
54.0	458.3	465.5	472.8	480.0	487.3	494.5	501.8	509.2	516.5	523.9	531.3	538.8	546.3	553.8	561.3	568.9	576.5	584.1	
54.5	453.2	460.3	467.4	474.6	481.8	489.0	496.2	503.5	510.8	518.2	525.6	533.0	540.4	547.9	555.4	562.9	570.5	578.1	
55.0	447.9	454.9	462.0	469.1	476.3	483.5	490.7	497.9	505.2	512.5	519.9	527.2	534.6	542.1	549.5	557.0	564.5	572.1	
55.5	442.7	449.7	456.7	463.8	470.9	478.0	485.2	492.4	499.6	506.9	514.2	521.5	528.9	536.3	543.7	551.1	558.6	566.1	
56.0	437.5	444.4	451.5	458.5	465.6	472.7	479.8	486.9	494.1	501.4	508.6	515.9	523.2	530.6	537.9	545.3	552.8	560.2	
56.5	432.3	439.3	446.2	453.2	460.3	467.3	474.4	481.5	488.7	495.9	503.1	510.3	517.6	524.9	532.2	539.6	547.0	554.4	
57.0	427.3	434.2	441.1	448.0	455.0	462.0	469.1	476.2	483.3	490.4	497.6	504.8	512.0	519.3	526.6	533.9	541.2	548.6	
57.5	422.3	429.1	436.0	442.9	449.9	456.8	463.8	470.9	477.9	485.0	492.2	499.3	506.5	513.7	521.0	528.3	535.6	542.9	
58.0	417.3	424.1	431.0	437.8	444.7	451.7	458.6	465.6	472.7	479.7	486.8	493.9	501.1	508.2	515.5	522.7	530.0	537.3	
58.5	412.4	419.2	426.0	432.8	439.7	446.5	453.5	460.4	467.4	474.4	481.5	488.6	495.7	502.8	510.0	517.2	524.4	531.7	
59.0	407.5	414.3	421.1	427.8	434.6	441.5	448.4	455.3	462.2	469.2	476.2	483.3	490.3	497.4	504.6	511.7	518.9	526.1	
59.5	402.7	409.4	416.1	422.9	429.7	436.5	443.3	450.2	457.1	464.0	471.0	478.0	485.0	492.1	499.2	506.3	513.5	520.6	
60.0	398.0	404.6	411.3	418.0	424.7	431.5	438.3	445.1	452.0	458.9	465.8	472.8	479.8	486.8	493.9	500.9	508.1	515.2	
60.5	393.2	399.8	406.5	413.1	419.9	426.6	433.4	440.2	447.0	453.8	460.7	467.7	474.6	481.6	488.6	495.6	502.7	509.8	
61.0	388.6	395.1	401.7	408.4	415.0	421.7	428.4	435.2	442.0	448.8	455.7	462.6	469.5	476.4	483.4	490.4	497.4	504.5	
61.5	383.9	390.5	397.0	403.6	410.2	416.9	423.6	430.3	437.1	443.8	450.7	457.5	464.4	471.3	478.2	485.2	492.2	499.2	
62.0	379.4	385.8	392.4	398.9	405.5	412.1	418.8	425.5	432.2	438.9	445.7	452.5	459.3	466.2	473.1	480.0	487.0	494.0	
62.5	374.8	381.3	387.8	394.3	400.8	407.4	414.0	420.7	427.3	434.0	440.8	447.5	454.3	461.2	468.0	474.9	481.8	488.8	
63.0	370.3	376.8	383.2	389.7	396.2	402.7	409.3	415.9	422.5	429.2	435.9	442.6	449.4	456.2	463.0	469.9	476.7	483.6	
63.5	365.9	372.3	378.7	385.1	391.6	398.1	404.6	411.2	417.8	424.4	431.1	437.8	444.5	451.3	458.0	464.8	471.7	478.6	
64.0	361.5	367.8	374.2	380.6	387.0	393.5	400.0	406.5	413.1	419.7	426.3	433.0	439.6	446.4	453.1	459.9	466.7	473.5	
64.5	357.1	363.4	369.8	376.1	382.5	388.9	395.4	401.9	408.4	415.0	421.6	428.2	434.8	441.5	448.2	455.0	461.7	468.5	
65.0	352.8	359.1	365.4	371.7	378.1	384.4	390.9	397.3	403.8	410.3	416.9	423.5	430.1	436.7	443.4	450.1	456.8	463.6	
65.5	348.5	354.8	361.0	367.3	373.6	380.0	386.4	392.8	399.2	405.7	412.2	418.8	425.4	432.0	438.6	445.3	452.0	458.7	
66.0	344.3	350.5	356.7	363.0	369.2	375.6	381.9	388.3	394.7	401.2	407.6	414.1	420.7	427.2	433.8	440.5	447.1	453.8	
66.5	340.1	346.3	352.4	358.7	364.9	371.2	377.5	383.8	390.2	396.6	403.1	409.5	416.0	422.6	429.1	435.7	442.4	449.0	
67.0	336.0	342.1	348.2	354.4	360.6	366.8	373.1	379.4	385.8	392.1	398.6	405.0	411.5	418.0	424.5	431.0	437.6	444.2	
67.5	331.8	337.9	344.0	350.2	356.3	362.5	368.8	375.1	381.4	387.7	394.1	400.5	406.9	413.4	419.9	426.4	432.9	439.5	
68.0	327.8	333.8	339.9	346.0	352.1	358.3	364.5	370.7	377.0	383.3	389.6	396.0	402.4	408.8	415.3	421.8	428.3	434.8	
68.5	323.7	329.7	335.8	341.8	347.9	354.1	360.2	366.4	372.7	378.9	385.2	391.6	397.9	404.3	410.7	417.2	423.7	430.2	
69.0	319.7	325.7	331.7	337.7	343.8	349.9	356.0	362.2	368.4	374.6	380.9	387.2	393.5	399.9	406.2	412.7	419.1	425.6	
69.5	315.8	321.7	327.7	333.7	339.7	345.8	351.9	358.0	364.1	370.3	376.6	382.8	389.1	395.4	401.8	408.2	414.6	421.0	
70.0	311.8	317.7	323.7	329.6	335.6	341.6	347.7	353.8	359.9	366.1	372.3	378.5	384.8	391.1	397.4	403.7	410.1	416.5	
70.5	307.9	313.8	319.7	325.6	331.5	337.6	343.6	349.7	355.8	361.9	368.1	374.2	380.5	386.7	393.0	399.3	405.7	412.0	
71.0	304.1	309.9	315.8	321.7	327.6	333.6	339.5	345.6	351.6	357.7	363.8	370.0	376.2	382.4	388.7	394.9	401.2	407.6	
71.5	300.3	306.1	311.9	317.7	323.6	329.6	335.5	341.5	347.5	353.6	359.7	365.8	372.0	378.1	384.4	390.6	396.9	403.2	

TABLE IX. — Continued

BESSEL FUNCTIONS OF ORDER 144 TO 161

BESSEL FUNCTION ORDER

ARG	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
72.0	294.5	302.2	308.0	313.9	319.7	325.6	331.5	337.5	343.5	349.5	355.6	361.6	367.8	373.9	380.1	386.3	392.5	398.8
72.5	292.7	298.5	304.2	310.0	315.8	321.7	327.6	333.5	339.5	345.4	351.5	357.5	363.6	369.7	375.9	382.0	388.0	394.5
73.0	289.0	294.7	300.4	306.2	312.0	317.8	323.7	329.5	335.5	341.4	347.4	353.4	359.5	365.6	371.7	377.8	384.0	390.2
73.5	285.3	291.0	296.7	302.4	308.2	313.9	319.6	325.6	331.5	337.4	343.4	349.4	355.4	361.5	367.5	373.6	379.8	385.9
74.0	281.7	287.3	293.0	298.7	304.4	310.1	315.9	321.7	327.6	333.5	339.4	345.4	351.3	357.4	363.4	369.5	375.6	381.7
74.5	278.1	283.7	289.3	294.9	300.6	306.3	312.1	317.9	323.7	329.6	335.5	341.4	347.3	353.3	359.3	365.4	371.4	377.5
75.0	274.5	280.0	285.6	291.3	296.9	302.6	308.3	314.1	319.9	325.7	331.5	337.4	343.3	349.3	355.3	361.3	367.3	373.4
75.5	270.9	276.4	282.0	287.6	293.2	298.9	304.6	310.3	316.0	321.8	327.7	333.5	339.4	345.3	351.3	357.2	363.2	369.3
76.0	267.4	272.9	278.4	284.0	289.6	295.2	300.9	306.5	312.3	318.0	323.8	329.6	335.5	341.4	347.3	353.2	359.2	365.2
76.5	263.9	269.4	274.9	280.4	286.0	291.5	297.2	302.8	308.5	314.2	320.0	325.8	331.6	337.4	343.3	349.2	355.2	361.2
77.0	260.5	265.9	271.4	276.9	282.4	287.9	293.5	299.1	304.8	310.5	316.2	322.0	327.8	333.6	339.4	345.3	351.2	357.2
77.5	257.1	262.5	267.9	273.3	278.8	284.3	289.9	295.5	301.1	306.8	312.5	318.2	323.9	329.7	335.5	341.4	347.3	353.2
78.0	253.7	259.0	264.4	269.8	275.3	280.8	286.3	291.9	297.5	303.1	308.7	314.4	320.2	325.9	331.7	337.5	343.4	349.2
78.5	250.3	255.6	261.0	266.4	271.8	277.3	282.8	288.3	293.8	299.4	305.1	310.7	316.4	322.1	327.9	333.7	339.5	345.3
79.0	247.0	252.3	257.6	263.0	268.3	273.8	279.2	284.7	290.3	295.8	301.4	307.0	312.7	318.4	324.1	329.9	335.6	341.5
79.5	243.7	248.9	254.2	259.5	264.9	270.3	275.7	281.2	286.8	292.2	297.8	303.4	309.0	314.7	320.4	326.1	331.8	337.6
80.0	240.4	245.6	250.9	256.2	261.5	266.9	272.3	277.7	283.2	288.7	294.2	299.8	305.3	311.0	316.6	322.3	328.0	333.8
80.5	237.1	242.3	247.6	252.9	258.1	263.5	268.8	274.2	279.7	285.1	290.6	296.2	301.7	307.3	312.9	318.6	324.3	330.0
81.0	233.8	239.0	244.3	249.5	254.8	260.1	265.4	270.8	276.2	281.6	287.1	292.6	298.1	303.7	309.3	314.9	320.6	326.3
81.5	230.5	235.7	241.1	246.3	251.5	256.8	262.1	267.4	272.8	278.2	283.6	289.1	294.6	300.1	305.7	311.3	316.9	322.5
82.0	227.2	232.4	237.8	243.0	248.2	253.4	258.7	264.0	269.3	274.7	280.1	285.6	291.0	296.5	302.1	307.6	313.2	318.9
82.5	223.9	229.1	234.4	239.6	244.8	250.0	255.4	260.7	266.0	271.3	276.7	282.1	287.5	293.0	298.5	304.0	309.6	315.2
83.0	220.6	225.8	231.1	236.3	241.5	246.9	252.1	257.3	262.6	267.9	273.3	278.6	284.0	289.5	295.0	300.5	306.0	311.6
83.5	217.3	222.5	227.8	233.0	238.2	243.5	248.8	254.1	259.3	264.6	269.9	275.2	280.6	286.0	291.5	296.9	302.4	308.0
84.0	214.0	219.2	224.5	229.7	235.0	240.3	245.6	250.8	256.0	261.2	266.5	271.8	277.2	282.6	288.0	293.4	298.9	304.4
84.5	210.7	215.9	221.2	226.4	231.7	237.0	242.4	247.6	252.9	258.1	263.4	268.7	274.0	279.4	284.8	290.2	295.7	301.3
85.0	207.4	212.6	217.9	223.1	228.4	233.7	239.0	244.3	249.5	254.7	259.9	265.1	270.4	275.8	281.1	286.5	291.9	297.3
85.5	204.1	209.3	214.6	219.8	225.1	230.4	235.7	241.0	246.3	251.4	256.6	261.8	267.1	272.4	277.7	283.1	288.4	293.9
86.0	200.8	206.0	211.3	216.5	221.8	227.1	232.4	237.7	243.0	248.2	253.4	258.6	263.8	269.1	274.4	279.7	285.0	290.4
86.5	197.5	202.7	208.0	213.2	218.5	223.8	229.1	234.4	239.7	245.0	250.2	255.5	260.8	266.1	271.4	276.7	282.0	287.0
87.0	194.2	199.4	204.7	209.9	215.2	220.5	225.8	231.1	236.4	241.7	247.0	252.3	257.6	262.9	268.2	273.5	278.8	283.6
87.5	190.9	196.1	201.4	206.6	211.9	217.2	222.5	227.8	233.1	238.4	243.7	249.0	254.3	259.6	264.9	270.2	275.5	280.9
88.0	187.6	192.8	198.1	203.3	208.6	213.9	219.2	224.5	229.8	235.1	240.4	245.7	251.0	256.3	261.6	266.9	272.2	277.0
88.5	184.3	189.5	194.8	200.1	205.4	210.7	216.0	221.3	226.6	231.9	237.2	242.5	247.8	253.1	258.4	263.7	269.0	274.3
89.0	181.0	186.2	191.5	196.8	202.1	207.4	212.7	218.0	223.3	228.6	233.9	239.2	244.5	249.8	255.1	260.4	265.7	271.0
89.5	177.7	182.9	188.2	193.5	198.8	204.1	209.4	214.7	220.0	225.3	230.6	235.9	241.2	246.5	251.8	257.1	262.4	267.7
90.0	174.4	179.6	184.9	190.2	195.5	200.8	206.1	211.4	216.7	222.0	227.3	232.6	237.9	243.2	248.5	253.8	259.1	264.4
90.5	171.1	176.3	181.6	186.9	192.2	197.5	202.8	208.1	213.4	218.7	224.0	229.3	234.6	239.9	245.2	250.5	255.8	261.1
91.0	167.8	173.0	178.3	183.6	188.9	194.2	199.5	204.8	210.1	215.4	220.7	226.0	231.3	236.6	241.9	247.2	252.5	257.8
91.5	164.5	169.7	175.0	180.3	185.6	190.9	196.2	201.5	206.8	212.1	217.4	222.7	228.0	233.3	238.6	243.9	249.2	254.5

TABLE IX. - Continued
 BESSEL FUNCTIONS OF ORDER 144 TO 161

ARG	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
92.0	170.1	174.6	179.1	183.7	188.2	192.9	197.5	202.2	206.9	211.7	216.5	221.3	226.2	231.1	236.0	241.0	246.0	251.0
93.0	164.9	169.3	173.8	178.3	182.8	187.4	192.0	196.6	201.3	206.0	210.7	215.5	220.3	225.1	230.0	234.9	239.9	244.8
94.0	159.3	164.2	168.6	173.0	177.5	182.0	186.5	191.1	195.7	200.3	205.0	209.7	214.5	219.3	224.1	228.9	233.8	238.7
95.0	154.8	159.1	163.4	167.8	172.2	176.6	181.1	185.6	190.2	194.8	199.4	204.1	208.8	213.5	218.3	223.0	227.9	232.7
96.0	149.9	154.1	158.4	162.7	167.0	171.4	175.8	180.3	184.8	189.3	193.9	198.5	203.1	207.8	212.5	217.3	222.0	226.8
97.0	145.1	149.2	153.4	157.7	162.0	166.3	170.7	175.1	179.5	184.0	188.5	193.0	197.6	202.2	206.9	211.6	216.3	221.0
98.0	140.3	144.4	148.6	152.8	157.0	161.3	165.6	169.9	174.3	178.7	183.2	187.6	192.2	196.7	201.3	205.9	210.6	215.3
99.0	135.7	139.7	143.8	147.9	152.1	156.3	160.6	164.8	169.2	173.5	177.9	182.4	186.8	191.3	195.9	200.4	205.0	209.7
100.0	131.1	135.1	139.1	143.2	147.3	151.5	155.6	159.9	164.1	168.4	172.8	177.1	181.6	186.0	190.5	195.0	199.6	204.1
101.0	126.6	130.6	134.5	138.6	142.6	146.7	150.8	155.0	159.2	163.4	167.7	172.0	176.4	180.8	185.2	189.7	194.2	198.7
102.0	122.3	126.1	130.0	134.0	138.0	142.0	146.1	150.2	154.3	158.5	162.7	167.0	171.3	175.6	180.0	184.4	188.9	193.3
103.0	117.9	121.8	125.6	129.5	133.4	137.4	141.4	145.5	149.6	153.7	157.9	162.1	166.3	170.6	174.9	179.2	183.6	188.1
104.0	113.7	117.5	121.3	125.1	129.0	132.9	136.8	140.8	144.9	148.9	153.1	157.2	161.4	165.6	169.9	174.2	178.5	182.9
105.0	109.6	113.3	117.0	120.8	124.6	128.5	132.4	136.3	140.3	144.3	148.3	152.4	156.6	160.7	164.9	169.2	173.4	177.8
106.0	105.5	109.2	112.8	116.5	120.3	124.1	127.9	131.8	135.7	139.7	143.7	147.7	151.8	155.9	160.1	164.3	168.5	172.7
107.0	101.6	105.1	108.7	112.4	116.1	119.8	123.6	127.4	131.3	135.2	139.1	143.1	147.1	151.2	155.3	159.4	163.6	167.8
108.0	97.7	101.2	104.7	108.3	112.0	115.6	119.4	123.1	126.9	130.8	134.7	138.6	142.6	146.6	150.6	154.7	158.8	162.9
109.0	93.8	97.3	100.8	104.3	107.9	111.5	115.2	118.9	122.7	126.4	130.3	134.1	138.1	142.0	146.0	150.0	154.1	158.2
110.0	90.1	93.5	96.9	100.4	103.9	107.5	111.1	114.8	118.5	122.2	125.9	129.8	133.6	137.5	141.5	145.4	149.4	153.5
111.0	86.4	89.8	93.2	96.6	100.0	103.6	107.1	110.7	114.3	118.0	121.7	125.5	129.3	133.1	137.0	140.9	144.9	148.8
112.0	82.9	86.1	89.5	92.8	96.2	99.7	103.2	106.7	110.3	113.9	117.6	121.3	125.0	128.8	132.6	136.5	140.4	144.3
113.0	79.4	82.6	85.8	89.1	92.5	95.9	99.3	102.8	106.3	109.9	113.5	117.1	120.8	124.5	128.3	132.1	136.0	139.8
114.0	76.0	79.1	82.3	85.5	88.8	92.2	95.5	99.0	102.4	105.9	109.5	113.1	116.7	120.4	124.1	127.8	131.6	135.5
115.0	72.6	75.7	78.8	82.0	85.2	88.5	91.8	95.2	98.6	102.1	105.6	109.1	112.7	116.3	119.9	123.6	127.4	131.1
116.0	69.3	72.4	75.4	78.6	81.7	85.0	88.2	91.5	94.9	98.3	101.7	105.2	108.7	112.3	115.9	119.5	123.2	126.9
117.0	66.2	69.1	72.1	75.2	78.3	81.5	84.7	87.9	91.2	94.5	97.9	101.3	104.8	108.3	111.9	115.4	119.1	122.7
118.0	63.0	65.9	68.9	71.9	74.9	78.0	81.2	84.4	87.6	90.9	94.2	97.6	101.0	104.4	107.9	111.5	115.0	118.7
119.0	60.0	62.8	65.7	68.7	71.7	74.7	77.8	80.9	84.1	87.3	90.6	93.9	97.3	100.6	104.1	107.6	111.1	114.6
120.0	57.0	59.8	62.7	65.5	68.5	71.4	74.5	77.5	80.7	83.8	87.0	90.3	93.6	96.9	100.3	103.7	107.2	110.7
121.0	54.2	56.9	59.6	62.5	65.3	68.2	71.2	74.2	77.3	80.4	83.5	86.7	90.0	93.3	96.6	100.0	103.4	106.8
122.0	51.4	54.0	56.7	59.5	62.3	65.1	68.0	71.0	74.0	77.0	80.1	83.3	86.5	89.7	93.0	96.3	99.6	103.0
123.0	48.6	51.2	53.9	56.5	59.3	62.1	64.9	67.8	70.8	73.8	76.8	79.9	83.0	86.2	89.4	92.7	96.0	99.3
124.0	46.0	48.5	51.1	53.7	56.4	59.1	61.9	64.7	67.6	70.6	73.5	76.6	79.6	82.7	85.9	89.1	92.4	95.6
125.0	43.4	45.9	48.4	50.9	53.6	56.2	58.9	61.7	64.5	67.4	70.2	73.3	76.3	79.4	82.5	85.6	88.8	92.1
126.0	40.9	43.3	45.7	48.2	50.8	53.4	56.1	58.8	61.5	64.4	67.2	70.1	73.1	76.1	79.1	82.2	85.4	88.5
127.0	38.5	40.8	43.2	45.6	48.1	50.7	53.3	55.9	58.6	61.4	64.2	67.0	69.9	72.9	75.9	78.9	82.0	85.1
128.0	36.2	38.4	40.7	43.1	45.5	48.0	50.5	53.1	55.8	58.4	61.1	63.8	66.8	69.7	72.6	75.6	78.6	81.7
129.0	33.9	36.1	38.3	40.6	43.0	45.4	47.9	50.4	53.0	55.6	58.3	61.0	63.8	66.6	69.5	72.4	75.4	78.4
130.0	31.7	33.8	36.0	38.2	40.5	42.9	45.3	47.7	50.3	52.8	55.4	58.1	60.8	63.6	66.4	69.3	72.2	75.2
131.0	29.6	31.7	33.8	35.9	38.1	40.4	42.8	45.2	47.6	50.1	52.7	55.3	58.0	60.7	63.4	66.2	69.1	72.0

TABLE IX. -- Continued

BESSEL FUNCTIONS OF ORDER 144 TO 161

ARG	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
132.0	27.6	29.6	31.6	33.7	35.8	38.1	40.3	42.7	45.1	47.5	50.0	52.5	55.2	57.8	60.5	63.3	66.1	68.9
133.0	23.7	27.6	29.5	31.5	33.6	35.8	38.0	40.2	42.6	44.9	47.4	49.9	52.4	55.0	57.6	60.3	63.1	65.9
134.0	23.3	25.6	27.5	29.5	31.5	33.6	35.7	37.9	40.2	42.5	44.8	47.3	49.7	52.3	54.9	57.5	60.2	62.9
135.0	22.1	23.3	25.6	27.4	29.4	31.4	33.5	35.6	37.8	40.1	42.4	44.7	47.1	49.6	52.1	54.7	57.3	60.0
136.0	20.4	22.1	23.8	25.6	27.4	29.4	31.4	33.4	35.5	37.7	40.0	42.3	44.6	47.0	49.5	52.0	54.6	57.2
137.0	18.8	20.4	22.0	23.7	25.5	27.4	29.3	31.3	33.4	35.5	37.6	39.9	42.2	44.5	46.9	49.4	51.9	54.4
138.0	17.4	18.8	20.4	22.0	23.7	25.5	27.3	29.3	31.2	33.2	35.4	37.6	39.8	42.1	44.4	46.8	49.3	51.8
139.0	16.0	17.4	18.8	20.4	22.0	23.7	25.5	27.3	29.2	31.2	33.2	35.3	37.5	39.7	42.0	44.3	46.7	49.1
140.0	14.7	16.0	17.3	18.8	20.3	22.0	23.7	25.4	27.3	29.2	31.1	33.2	35.3	37.4	39.6	41.9	44.2	46.6
141.0	13.5	14.7	16.0	17.3	18.8	20.3	21.9	23.6	25.4	27.2	29.1	31.1	33.1	35.2	37.3	39.5	41.8	44.1
142.0	12.5	13.5	14.7	16.0	17.3	18.8	20.3	21.9	23.6	25.3	27.2	29.1	31.0	33.0	35.1	37.3	39.5	41.7
143.0	11.5	12.5	13.5	14.7	16.0	17.3	18.8	20.3	21.9	23.6	25.3	27.2	29.0	31.0	33.0	35.0	37.2	39.4
144.0	10.7	11.5	12.5	13.5	14.7	16.0	17.3	18.7	20.3	21.9	23.5	25.3	27.1	29.0	30.9	32.9	35.0	37.1
145.0	10.0	10.7	11.5	12.5	13.5	14.7	16.0	17.3	18.7	20.2	21.8	23.5	25.2	27.0	28.9	30.9	32.9	34.9
146.0	9.5	10.0	10.7	11.5	12.5	13.5	14.7	15.9	17.3	18.7	20.2	21.8	23.5	25.2	27.0	28.9	30.8	32.8
147.0	9.1	9.5	10.0	10.7	11.5	12.5	13.5	14.7	15.9	17.3	18.7	20.2	21.8	23.4	25.2	27.0	28.8	30.8
148.0	8.9	9.1	9.5	10.0	10.7	11.5	12.5	13.5	14.7	15.9	17.3	18.7	20.2	21.7	23.4	25.1	26.9	28.9
149.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.2	9.6	10.1	10.8	11.6	12.5	13.6	14.7	15.9	17.2	18.6
150.0	9.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.2	9.6	10.1	10.8	11.6	12.5	13.6	14.7	15.9	17.2
151.0	10.1	9.4	9.0	9.0	9.0	9.0	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9	17.2
152.0	11.4	10.1	9.4	9.0	9.0	9.0	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9	17.2
153.0	14.6	11.6	10.1	9.4	9.0	9.0	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9	17.2
154.0	-25.3	14.5	11.5	10.1	9.4	9.0	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9	17.2
155.0	-14.4	-26.8	14.4	11.5	10.1	9.4	9.0	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9
156.0	-11.4	-14.1	-29.1	14.3	11.5	10.1	9.4	9.0	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9
157.0	-10.3	-11.5	-14.2	-34.1	14.3	11.5	10.1	9.4	9.0	9.1	9.4	9.9	10.7	11.6	12.5	13.6	14.7	15.9
158.0	-10.1	-10.4	-11.6	-14.3	33.6	14.2	11.5	10.1	9.4	9.1	9.0	9.2	9.6	10.1	10.8	11.6	12.5	13.6
159.0	-10.5	-10.1	-10.4	-11.6	-14.7	29.1	14.1	11.4	10.1	9.4	9.1	9.0	9.2	9.6	10.2	10.8	11.6	12.5
160.0	-12.0	-10.5	-10.1	-10.4	-11.7	-14.5	26.9	14.0	11.4	10.1	9.4	9.1	9.0	9.3	9.6	10.2	10.8	11.6
161.0	-15.9	-12.0	-10.5	-10.1	-10.5	-11.7	-14.6	25.5	14.0	11.4	10.1	9.4	9.1	9.1	9.3	9.6	10.2	10.8
162.0	17.8	-15.7	-11.9	-10.5	-10.1	-10.5	-11.8	-14.7	24.4	13.9	11.4	10.1	9.4	9.1	9.1	9.3	9.7	10.2
163.0	12.6	18.3	-15.5	-11.8	-10.5	-10.1	-10.5	-11.8	-14.8	23.6	13.9	11.4	10.1	9.4	9.1	9.1	9.3	9.7
164.0	10.9	12.7	18.8	-15.3	-11.8	-10.4	-10.1	-10.5	-11.9	-15.0	22.9	13.8	11.3	10.1	9.4	9.1	9.1	9.3
165.0	10.5	11.0	12.9	-15.4	-11.7	-10.4	-10.1	-10.6	-11.9	-15.1	22.8	13.7	11.3	10.1	9.4	9.1	9.1	9.3
166.0	11.2	10.5	11.0	13.0	-15.1	-10.4	-10.1	-10.6	-11.9	-15.1	22.8	13.7	11.3	10.1	9.4	9.1	9.1	9.3
167.0	13.5	11.1	10.5	11.1	13.1	-14.7	-10.4	-10.4	-10.4	-10.6	-12.0	21.8	11.3	10.1	9.4	9.1	9.1	9.3
168.0	25.5	13.3	11.1	10.5	11.1	13.3	21.6	-14.6	-10.4	-10.4	-10.2	-10.7	-12.1	-15.4	20.9	13.6	11.3	10.1
169.0	-14.0	23.0	13.2	11.1	10.5	11.2	13.4	22.7	-11.6	-10.4	-10.2	-10.7	-12.1	-15.4	20.9	13.6	11.3	10.1
170.0	-11.5	-14.3	21.4	13.0	11.0	10.6	11.3	13.5	24.2	-14.3	-11.5	-10.2	-10.7	-12.2	-15.7	20.6	13.5	11.2
171.0	-10.3	-11.6	-14.5	20.3	12.9	11.0	10.6	11.3	13.7	26.4	-14.1	-10.4	-10.2	-10.7	-12.2	-15.7	20.2	13.5
							10.6	11.3	13.7	26.4	-14.1	-10.4	-10.2	-10.7	-12.2	-15.7	20.2	13.5
							10.6	11.3	13.7	26.4	-14.1	-10.4	-10.2	-10.7	-12.2	-15.7	20.2	13.5

TABLE IX. -- Concluded

BESSEL FUNCTIONS OF ORDER 144 TO 161

BESSEL FUNCTION ORDER

ARG	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
172.0	-11.5	-10.8	-11.6	-14.8	19.4	12.8	10.9	10.6	11.4	13.8	30.9	-14.0	-11.4	-10.4	10.2	10.8	-12.4	161
173.0	-14.1	-13.4	-10.8	-11.7	-15.1	18.7	12.6	12.9	10.6	11.4	14.0	-31.8	-13.9	-11.3	-10.4	-10.2	-10.8	-12.4
174.0	23.0	-13.9	-11.3	-10.9	-11.8	-15.4	18.1	12.5	10.9	10.6	11.5	14.2	-26.8	-13.7	-11.3	-10.3	-10.2	-10.9
175.0	13.3	26.6	-13.6	-11.3	-10.9	-11.9	-15.7	17.5	12.4	10.9	10.7	11.6	14.3	-24.5	13.6	11.3	-10.3	-10.3
176.0	11.3	13.5	-32.5	-13.4	-11.2	-10.3	-12.1	-16.0	17.1	12.3	10.8	10.7	11.7	14.5	-23.0	-13.5	-11.2	-10.3
177.0	11.1	11.4	13.8	-24.8	-13.2	-11.2	-12.2	-12.2	-16.4	16.7	12.2	10.8	10.7	11.7	14.7	-22.0	-13.4	-11.2
178.0	12.6	11.1	11.5	14.0	-22.2	-13.1	-11.1	-11.0	-12.3	-16.8	16.3	12.1	10.8	10.7	11.8	14.9	-21.1	-13.2
179.0	13.4	12.4	11.1	11.6	14.3	-20.6	-12.9	-11.1	-11.0	-12.4	-17.3	16.0	12.0	10.8	10.8	11.9	15.1	-20.4
180.0	-13.2	17.5	12.3	11.1	11.6	-19.5	-12.7	-12.7	-11.1	-11.0	-12.5	-17.8	15.7	12.0	10.8	12.0	15.3	15.3
181.0	-11.9	-13.6	16.8	13.2	11.1	11.8	-15.0	-18.6	-12.6	-11.0	-11.1	-12.7	-18.4	15.4	11.9	10.8	12.0	12.0
182.0	-11.2	-12.0	-16.2	16.3	12.0	11.1	11.9	15.3	-17.9	-12.5	-11.0	-11.1	-12.8	-19.1	15.1	11.8	10.7	10.8
183.0	-12.8	-11.2	-12.0	-16.8	15.7	11.9	11.1	12.0	15.7	-17.3	-12.3	-11.0	-11.2	-13.0	-19.8	14.9	11.7	10.7
184.0	-16.8	-12.1	-11.2	-12.3	-17.5	15.3	11.8	11.1	12.1	16.1	-16.7	-12.0	-11.0	-11.2	-13.1	-20.8	14.7	11.7
185.0	16.1	-16.1	-12.0	-11.3	-12.5	-18.3	-12.7	-19.3	11.1	12.2	16.6	-16.3	-12.1	-11.0	-11.3	-13.3	-22.0	14.5
186.0	12.2	16.8	-15.5	-11.9	-11.3	-12.7	-19.3	14.6	11.6	11.1	12.4	17.2	-15.9	-12.0	-11.0	-11.4	-13.5	-23.6
187.0	12.3	12.3	17.6	-15.1	-11.8	-11.3	-12.9	-12.9	-14.3	11.6	11.2	12.5	-17.3	-15.5	-11.9	-11.0	-11.4	-13.6
188.0	12.5	11.4	12.5	-14.5	-11.7	-14.5	-11.4	-13.1	-25.6	14.0	11.5	12.2	17.3	-18.5	-15.2	-11.8	-11.0	-11.5
189.0	17.5	12.3	11.4	12.7	19.9	-14.3	-11.6	-11.4	-13.3	-26.2	13.7	11.4	11.2	12.8	19.3	-14.9	-11.8	-11.0
190.0	-13.5	16.6	12.1	11.4	13.0	21.8	-14.0	-11.5	-11.5	-13.6	31.8	13.5	11.4	11.3	13.0	20.4	-14.6	-11.7
191.0	-12.1	-16.2	15.9	12.0	11.5	13.2	25.3	-13.7	-11.5	-11.5	-13.9	24.4	13.3	11.4	11.3	13.2	-21.7	-14.3
192.0	-11.5	-12.2	-17.0	15.3	11.9	11.5	13.5	-32.5	-13.4	-11.4	-11.6	-14.2	21.8	13.1	11.3	11.4	13.4	23.7
193.0	-13.1	-11.5	-12.4	-12.0	14.8	11.8	11.6	13.8	-23.9	-13.2	-11.4	-11.7	-14.5	-14.8	12.9	11.3	11.5	13.6
194.0	-21.7	-12.9	-11.5	-12.6	-19.2	14.4	11.7	11.7	14.1	-21.2	-13.0	-11.4	-11.8	-14.8	12.9	11.3	11.5	11.5
195.0	14.6	-13.5	-12.6	-11.5	-12.9	-20.9	14.0	11.6	11.7	14.5	-19.6	-12.8	-11.4	-11.9	-15.2	12.6	12.6	11.2
196.0	11.8	14.7	-18.1	-12.4	-11.5	-13.1	-23.9	13.7	11.6	11.8	14.9	-18.5	-12.6	-11.3	-12.0	-15.6	17.4	12.4
197.0	11.9	11.9	15.2	-17.1	-12.3	-11.6	-13.4	-38.0	13.4	11.5	12.0	15.3	-17.6	-12.4	-12.2	-12.2	-16.1	16.8
198.0	11.7	11.8	12.1	15.9	-16.2	-12.1	-11.6	-13.7	24.3	13.2	11.5	12.1	15.8	-16.8	-11.3	-11.3	-12.3	-16.6
199.0	-13.5	14.2	11.7	12.2	16.7	-15.6	-12.0	-11.7	-14.1	21.2	12.9	11.5	12.2	16.4	-16.2	-12.2	-11.4	-12.4
200.0	-12.9	-22.0	13.8	11.7	12.4	17.6	-15.0	-11.9	-11.8	-14.5	19.4	12.7	11.5	12.4	17.1	-15.7	-12.0	-11.4
201.0	-11.7	-13.2	-28.3	13.4	11.7	12.6	-18.8	-14.5	-11.8	-11.9	-14.9	18.2	12.6	11.5	12.5	11.9	-15.2	-11.9
202.0	-12.8	-11.7	-13.6	24.9	13.1	11.7	12.8	20.6	-14.1	-11.7	-12.0	-15.4	17.3	12.4	11.5	12.7	18.9	-14.8
203.0	-13.1	-12.6	-11.8	-14.0	21.0	12.9	11.7	13.1	23.4	-13.8	-11.7	-12.1	-16.0	16.5	12.2	11.5	12.9	20.1
204.0	14.8	-17.5	-12.4	-11.9	-14.4	19.0	12.6	11.7	13.4	34.9	-13.4	-11.6	-12.3	-16.5	15.9	12.1	11.5	13.1
205.0	12.1	15.5	-16.5	-12.2	-12.0	-14.9	17.7	12.4	11.7	13.7	-24.1	-13.2	-11.6	-12.5	-17.4	15.4	12.0	11.6
206.0	12.1	12.2	16.3	-15.7	-12.1	-12.1	-15.5	16.7	12.3	11.8	14.1	-21.0	-12.9	-11.6	-12.6	-18.4	14.9	11.9
207.0	15.2	12.0	12.4	17.3	-15.0	-12.0	-12.2	-16.3	15.9	12.1	11.9	14.5	-19.2	-12.7	-11.6	-12.9	13.7	14.5
208.0	-18.1	14.6	11.9	12.6	18.6	-14.5	-11.9	-12.4	-12.2	15.3	12.0	12.0	-15.0	-18.0	-12.5	-11.6	-13.7	14.5
209.0	-12.7	-20.0	14.1	11.9	12.8	20.6	-14.0	-11.8	-12.6	-18.3	14.7	12.0	12.1	15.6	-17.0	-12.4	-11.7	-13.3
210.0	-11.9	-13.0	-23.4	13.6	11.9	13.1	24.2	-13.6	-11.8	-12.8	-19.9	14.3	-11.8	-12.2	-16.3	-12.4	-11.7	-13.0
211.0	-13.7	-11.9	-13.4	31.1	13.3	11.9	13.5	-29.4	-13.3	-11.8	-13.1	-22.4	13.9	11.8	12.4	17.0	-15.6	-12.1

TABLE X. — Continued
 BESSEL FUNCTIONS OF ORDER 162 TO 179

ARG	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
52.0	516.9	624.7	632.6	642.5	648.5	656.5	664.5	672.5	680.5	688.6	696.7	704.8	713.0	721.2	729.4	737.6	745.9	754.2
52.5	610.5	618.3	626.2	634.0	641.9	649.9	657.8	665.8	673.8	681.8	689.9	698.0	706.1	714.2	722.4	730.6	738.8	747.0
53.0	604.2	612.0	619.8	627.6	635.5	643.3	651.2	659.2	667.1	675.1	683.2	691.2	699.3	707.4	715.5	723.6	731.8	740.0
53.5	598.2	605.7	613.4	621.2	629.0	636.9	644.7	652.6	660.6	668.5	676.5	684.5	692.5	700.6	708.6	716.7	724.9	733.0
54.0	591.8	599.5	607.2	614.9	622.7	630.5	638.3	646.2	654.0	661.9	669.9	677.8	685.8	693.8	701.9	709.9	718.0	726.1
54.5	585.7	593.3	601.0	608.7	616.4	624.2	631.9	639.8	647.6	655.5	663.3	671.3	679.2	687.2	695.2	703.2	711.2	719.3
55.0	579.6	587.2	594.9	602.5	610.2	617.9	625.6	633.4	641.2	649.0	656.9	664.7	672.6	680.6	688.5	696.5	704.5	712.5
55.5	573.6	581.2	588.8	596.4	604.0	611.7	619.4	627.1	634.9	642.7	650.5	658.3	666.2	674.0	682.0	689.9	697.9	705.8
56.0	567.7	575.2	582.8	590.3	597.9	605.6	613.2	620.9	628.6	636.4	644.1	651.9	659.7	667.6	675.5	683.3	691.3	699.2
56.5	561.8	569.3	576.8	584.4	591.9	599.5	607.1	614.8	622.4	630.1	637.9	645.6	653.4	661.2	669.0	676.9	684.7	692.7
57.0	556.0	563.5	571.1	578.4	585.9	593.5	601.1	608.7	616.3	624.0	631.6	639.3	647.1	654.8	662.6	670.4	678.3	686.2
57.5	550.3	557.7	565.1	572.6	580.0	587.5	595.1	602.6	610.2	617.8	625.5	633.2	640.8	648.6	656.3	664.1	671.9	679.7
58.0	544.6	551.9	559.3	566.7	574.2	581.6	589.1	596.7	604.2	611.8	619.4	627.0	634.7	642.4	650.1	657.8	665.6	673.3
58.5	538.9	546.3	553.6	561.0	568.4	575.8	583.3	590.7	598.3	605.8	613.4	620.9	628.6	636.2	643.9	651.6	659.3	667.0
59.0	533.4	540.6	547.9	555.3	562.6	570.0	577.4	584.9	592.4	599.9	607.4	614.9	622.5	630.1	637.7	645.4	653.1	660.8
59.5	527.8	535.1	542.3	549.6	557.0	564.3	571.7	579.1	586.5	594.0	601.5	609.0	616.5	624.1	631.7	639.3	646.9	654.6
60.0	522.4	529.6	536.8	544.0	551.3	558.6	566.0	573.3	580.7	588.1	595.6	603.1	610.6	618.1	625.6	633.2	640.8	648.5
60.5	516.9	524.1	531.3	538.5	545.7	552.9	560.3	567.6	575.0	582.4	589.8	597.2	604.7	612.2	619.7	627.2	634.8	642.4
61.0	511.6	518.7	525.8	533.0	540.2	547.5	554.7	562.0	569.3	576.7	584.0	591.4	598.8	606.3	613.8	621.3	628.8	636.4
61.5	506.3	513.4	520.4	527.6	534.7	541.9	549.2	556.4	563.7	571.0	578.3	585.7	593.1	600.5	607.9	615.4	622.9	630.4
62.0	501.0	508.0	515.1	522.2	529.3	536.5	543.7	550.9	558.1	565.4	572.7	580.0	587.3	594.7	602.1	609.5	617.0	624.5
62.5	495.8	502.8	509.8	516.9	524.0	531.1	538.2	545.4	552.6	559.8	567.1	574.4	581.7	589.0	596.4	603.8	611.2	618.6
63.0	490.6	497.6	504.6	511.6	518.6	525.7	532.8	540.0	547.1	554.3	561.5	568.8	576.1	583.4	590.7	598.0	605.4	612.8
63.5	485.5	492.4	499.4	506.3	513.4	520.4	527.5	534.6	541.7	548.9	556.0	563.3	570.5	577.8	585.0	592.4	599.7	607.1
64.0	480.4	487.3	494.2	501.2	508.1	515.1	522.2	529.2	536.3	543.5	550.6	557.8	565.0	572.2	579.5	586.7	594.0	601.4
64.5	475.4	482.2	489.1	496.0	503.0	509.9	516.9	524.0	531.0	538.1	545.2	552.3	559.5	566.7	573.9	581.2	588.4	595.7
65.0	470.4	477.2	484.0	490.9	497.8	504.8	511.7	518.7	525.7	532.8	539.9	547.0	554.1	561.2	568.4	575.6	582.9	590.1
65.5	465.4	472.2	479.0	485.9	492.7	499.6	506.6	513.5	520.5	527.5	534.6	541.6	548.7	555.8	563.0	570.2	577.3	584.6
66.0	460.5	467.3	474.1	480.9	487.7	494.6	501.5	508.4	515.3	522.3	529.3	536.3	543.4	550.5	557.6	564.7	571.9	579.1
66.5	455.7	462.4	469.2	475.9	482.7	489.5	496.4	503.3	510.2	517.1	524.1	531.1	538.1	545.2	552.2	559.3	566.5	573.6
67.0	450.9	457.6	464.3	471.0	477.8	484.6	491.4	498.2	505.1	512.0	518.9	525.9	532.9	539.9	546.9	554.0	561.1	568.2
67.5	446.1	452.8	459.4	466.1	472.9	479.6	486.4	493.2	500.1	506.9	513.8	520.8	527.7	534.7	541.7	548.7	555.8	562.9
68.0	441.4	448.0	454.7	461.3	468.0	474.7	481.5	488.3	495.1	501.9	508.8	515.6	522.6	529.5	536.5	543.5	550.5	557.5
68.5	436.7	443.3	449.9	456.5	463.2	469.9	476.6	483.3	490.1	496.9	503.7	510.6	517.5	524.4	531.3	538.3	545.3	552.3
69.0	432.0	438.6	445.2	451.8	458.4	465.1	471.7	478.5	485.2	492.0	498.7	505.6	512.4	519.3	526.2	533.1	540.1	547.1
69.5	427.5	434.0	440.5	447.1	453.7	460.3	466.9	473.6	480.3	487.1	493.8	500.6	507.4	514.2	521.1	528.0	534.9	541.9
70.0	422.9	429.4	435.9	442.4	448.9	455.6	462.2	468.8	475.5	482.2	488.9	495.7	502.4	509.2	516.1	522.9	529.8	536.7
70.5	418.4	424.9	431.3	437.8	444.3	450.9	457.5	464.1	470.7	477.4	484.1	490.8	497.5	504.2	511.1	517.9	524.8	531.6
71.0	413.9	420.4	426.8	433.2	439.7	446.2	452.8	459.4	466.0	472.6	479.2	485.9	492.6	499.4	506.1	512.9	519.7	526.6
71.5	409.5	415.9	422.3	428.7	435.1	441.6	448.1	454.7	461.2	467.8	474.4	481.1	487.8	494.5	501.2	508.0	514.8	521.6

TABLE X. - Continued
 BESSEL FUNCTIONS OF ORDER 162 TO 179

ARG	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
72.0	405.1	411.4	417.8	424.2	430.6	437.1	443.5	450.0	456.6	463.1	469.7	476.3	483.0	489.7	496.4	503.1	509.8	516.6
72.5	400.8	407.1	413.4	419.7	426.1	432.5	439.0	445.5	452.0	458.5	465.0	471.6	478.2	484.9	491.5	498.2	505.0	511.7
73.0	396.4	402.7	409.0	415.3	421.7	428.0	434.5	440.9	447.4	453.9	460.4	466.9	473.5	480.1	486.8	493.4	500.1	506.8
73.5	392.1	398.4	404.6	410.9	417.2	423.6	430.0	436.4	442.8	449.3	455.8	462.3	468.8	475.4	482.0	488.6	495.3	502.0
74.0	387.9	394.1	400.3	406.6	412.9	419.2	425.5	431.9	438.3	444.7	451.2	457.7	464.2	470.7	477.3	483.9	490.5	497.2
74.5	383.7	389.8	396.0	402.3	408.5	414.8	421.1	427.5	433.8	440.2	446.6	453.1	459.6	466.1	472.6	479.2	485.8	492.4
75.0	379.5	385.6	391.8	398.0	404.2	410.5	416.7	423.0	429.4	435.7	442.1	448.6	455.0	461.5	468.1	474.5	481.1	487.7
75.5	375.4	381.5	387.6	393.7	399.9	406.2	412.4	418.7	425.0	431.3	437.7	444.1	450.5	456.9	463.4	469.9	476.4	483.0
76.0	371.2	377.3	383.4	389.5	395.7	401.9	408.1	414.3	420.6	426.9	433.2	439.6	446.0	452.4	458.8	465.3	471.8	478.3
76.5	367.2	373.2	379.3	385.4	391.5	397.6	403.8	410.0	416.3	422.6	428.9	435.2	441.5	447.9	454.3	460.8	467.2	473.7
77.0	363.1	369.1	375.2	381.2	387.3	393.4	399.6	405.8	412.0	418.2	424.5	430.8	437.1	443.5	449.8	456.2	462.7	469.1
77.5	359.1	365.1	371.1	377.1	383.2	389.3	395.4	401.6	407.7	413.9	420.2	426.4	432.7	439.0	445.4	451.8	458.2	464.6
78.0	355.1	361.1	367.1	373.1	379.1	385.1	391.2	397.4	403.5	409.7	415.9	422.1	428.4	434.7	441.0	447.3	453.7	460.1
78.5	351.2	357.1	363.1	369.0	375.0	381.1	387.1	393.2	399.3	405.5	411.6	417.8	424.1	430.3	436.6	442.9	449.2	455.6
79.0	347.3	353.2	359.1	365.0	371.0	377.0	383.0	389.1	395.2	401.3	407.4	413.6	419.8	426.0	432.3	438.5	444.8	451.2
79.5	343.4	349.3	355.2	361.1	367.0	373.0	378.9	384.9	390.9	396.9	402.9	409.0	415.1	421.2	427.3	433.4	439.5	445.6
80.0	339.5	345.4	351.3	357.2	363.1	369.0	374.9	380.9	386.9	392.9	398.9	404.9	410.9	416.9	422.9	428.9	434.9	440.9
80.5	335.6	341.5	347.4	353.2	359.1	365.0	370.9	376.9	382.9	388.9	394.9	400.9	406.9	412.9	418.9	424.9	430.9	436.9
81.0	331.7	337.6	343.5	349.3	355.2	361.1	367.0	372.9	378.8	384.8	390.8	396.9	402.9	408.9	414.9	420.9	426.9	432.9
81.5	327.8	333.7	339.6	345.5	351.3	357.2	363.1	369.0	374.9	380.8	386.8	392.8	398.9	404.9	410.9	416.9	422.9	428.9
82.0	323.9	329.8	335.7	341.6	347.5	353.4	359.3	365.2	371.1	377.0	382.9	388.8	394.8	400.8	406.8	412.8	418.8	424.8
82.5	320.0	325.9	331.8	337.7	343.6	349.5	355.4	361.3	367.2	373.1	379.0	384.9	390.8	396.7	402.6	408.6	414.6	420.6
83.0	316.1	322.0	327.9	333.8	339.7	345.6	351.5	357.4	363.3	369.2	375.1	381.0	386.9	392.8	398.7	404.6	410.5	416.4
83.5	312.2	318.1	324.0	329.9	335.8	341.7	347.6	353.5	359.4	365.3	371.2	377.1	383.0	388.9	394.8	400.7	406.6	412.5
84.0	308.3	314.2	320.1	326.0	331.9	337.8	343.7	349.6	355.5	361.4	367.3	373.2	379.1	385.0	390.9	396.8	402.7	408.6
84.5	304.4	310.3	316.2	322.1	328.0	333.9	339.8	345.7	351.6	357.5	363.4	369.3	375.2	381.1	387.0	392.9	398.8	404.7
85.0	300.5	306.4	312.3	318.2	324.1	330.0	335.9	341.8	347.7	353.6	359.5	365.4	371.3	377.2	383.1	389.0	394.9	400.8
85.5	296.6	302.5	308.4	314.3	320.2	326.1	332.0	337.9	343.8	349.7	355.6	361.5	367.4	373.3	379.2	385.1	391.0	396.9
86.0	292.7	298.6	304.5	310.4	316.3	322.2	328.1	334.0	340.0	345.9	351.8	357.7	363.6	369.5	375.4	381.3	387.2	393.1
86.5	288.8	294.7	300.6	306.5	312.4	318.3	324.2	330.1	336.0	341.9	347.8	353.7	359.6	365.5	371.4	377.3	383.2	389.1
87.0	284.9	290.8	296.7	302.6	308.5	314.4	320.3	326.2	332.1	338.0	343.9	349.8	355.7	361.6	367.5	373.4	379.3	385.2
87.5	281.0	286.9	292.8	298.7	304.6	310.5	316.4	322.3	328.2	334.1	340.0	345.9	351.8	357.7	363.6	369.5	375.4	381.3
88.0	277.1	283.0	288.9	294.8	300.7	306.6	312.5	318.4	324.3	330.2	336.1	342.0	347.9	353.8	359.7	365.6	371.5	377.4
88.5	273.2	279.1	285.0	290.9	296.8	302.7	308.6	314.5	320.4	326.3	332.2	338.1	344.0	350.0	355.9	361.8	367.7	373.6
89.0	269.3	275.2	281.1	287.0	292.9	298.8	304.7	310.6	316.5	322.4	328.3	334.2	340.1	346.0	351.9	357.8	363.7	369.6
89.5	265.4	271.3	277.2	283.1	289.0	294.9	300.8	306.7	312.6	318.5	324.4	330.3	336.2	342.1	348.0	353.9	359.8	365.7
90.0	261.5	267.4	273.3	279.2	285.1	291.0	296.9	302.8	308.7	314.6	320.5	326.4	332.3	338.2	344.1	350.0	355.9	361.8
90.5	257.6	263.5	269.4	275.3	281.2	287.1	293.0	298.9	304.8	310.7	316.6	322.5	328.4	334.3	340.2	346.1	352.0	357.9
91.0	253.7	259.6	265.5	271.4	277.3	283.2	289.1	295.0	300.9	306.8	312.7	318.6	324.5	330.4	336.3	342.2	348.1	354.0
91.5	249.8	255.7	261.6	267.5	273.4	279.3	285.2	291.1	297.0	302.9	308.8	314.7	320.6	326.5	332.4	338.3	344.2	350.1

TABLE X. - Continued

BESSEL FUNCTIONS OF ORDER 162 TO 179

BESSEL FUNCTION ORDER

ARG	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
92.0	255.1	251.2	266.4	271.5	276.7	281.9	287.2	292.5	297.8	303.2	308.5	313.9	319.4	324.9	330.4	335.9	341.4	347.0
93.0	243.9	234.9	260.0	265.1	270.2	275.4	280.6	285.8	291.1	296.4	301.7	307.1	312.5	317.9	323.3	328.8	334.3	339.8
94.0	243.7	248.7	253.7	258.8	263.8	269.0	274.1	279.3	284.5	289.7	295.0	300.3	305.6	311.0	316.4	321.8	327.2	332.7
95.0	237.6	242.6	247.5	252.5	257.6	262.6	267.7	272.8	278.0	283.2	288.4	293.6	298.9	304.2	309.5	314.9	320.3	325.7
96.0	231.7	236.6	241.5	246.4	251.4	256.4	261.4	266.5	271.6	276.7	281.9	287.1	292.3	297.5	302.8	308.1	313.5	318.8
97.0	225.8	230.6	235.5	240.4	245.3	250.2	255.2	260.2	265.3	270.4	275.5	280.6	285.8	291.0	296.2	301.4	306.7	312.0
98.0	220.0	224.8	229.6	234.4	239.3	244.2	249.1	254.1	259.1	264.1	269.1	274.2	279.3	284.5	289.6	294.8	300.1	305.3
99.0	214.4	219.1	223.8	228.6	233.4	238.2	243.1	248.0	252.9	257.9	262.9	267.9	273.0	278.1	283.2	288.3	293.5	298.7
100.0	208.8	213.4	218.1	222.8	227.6	232.4	237.2	242.0	246.9	251.8	256.8	261.7	266.8	271.8	276.9	281.9	287.1	292.2
101.0	203.3	207.9	212.5	217.2	221.9	226.6	231.4	236.1	241.0	245.8	250.7	255.7	260.6	265.6	270.6	275.6	280.7	285.8
102.0	197.8	202.4	207.0	211.6	216.2	220.9	225.6	230.4	235.1	239.9	244.8	249.6	254.5	259.5	264.4	269.4	274.4	279.5
103.0	192.3	197.0	201.5	206.1	210.7	215.3	220.0	224.7	229.4	234.1	238.9	243.7	248.6	253.5	258.4	263.3	268.3	273.3
104.0	187.3	191.7	196.2	200.7	205.2	209.8	214.4	219.0	223.7	228.4	233.1	237.9	242.7	247.5	252.4	257.3	262.2	267.1
105.0	182.1	186.5	190.9	195.4	199.8	204.4	208.9	213.5	218.1	222.8	227.4	232.2	236.9	241.7	246.5	251.3	256.2	261.1
106.0	177.0	181.4	185.7	190.1	194.6	199.0	203.5	208.1	212.6	217.2	221.8	226.5	231.2	235.9	240.7	245.5	250.3	255.1
107.0	172.0	176.3	180.6	185.0	189.3	193.8	198.2	202.7	207.2	211.7	216.3	220.9	225.6	230.2	234.9	239.7	244.4	249.2
108.0	167.1	171.4	175.6	179.9	184.2	188.6	193.0	197.4	201.9	206.4	210.9	215.4	220.0	224.7	229.3	234.0	238.7	243.4
109.0	162.3	166.5	170.7	174.9	179.2	183.5	187.8	192.2	196.6	201.1	205.5	210.0	214.6	219.1	223.7	228.3	232.9	237.7
110.0	157.5	161.7	165.8	170.0	174.2	178.5	182.8	187.1	191.4	195.8	200.3	204.7	209.2	213.7	218.3	222.9	227.5	232.1
111.0	152.9	156.9	161.0	165.2	169.3	173.5	177.8	182.0	186.4	190.7	195.1	199.5	203.9	208.4	212.9	217.4	222.0	226.6
112.0	148.3	152.3	156.3	160.4	164.5	168.7	172.9	177.1	181.3	185.6	189.9	194.3	198.7	203.1	207.6	212.0	216.6	221.1
113.0	143.8	147.7	151.7	155.7	159.8	163.9	168.0	172.2	176.4	180.6	184.9	189.2	193.5	197.9	202.3	206.7	211.2	215.7
114.0	139.3	143.2	147.2	151.1	155.1	159.2	163.3	167.4	171.5	175.7	179.9	184.2	188.5	192.8	197.2	201.5	206.0	210.4
115.0	135.0	138.8	142.7	146.6	150.6	154.6	158.6	162.7	166.8	170.9	175.1	179.3	183.5	187.8	192.1	196.4	200.8	205.2
116.0	130.7	134.5	138.3	142.2	146.1	150.0	154.0	158.0	162.1	166.1	170.3	174.4	178.6	182.8	187.1	191.3	195.7	200.0
117.0	126.4	130.2	134.0	137.8	141.6	145.5	149.5	153.4	157.4	161.5	165.5	169.6	173.8	177.9	182.1	186.4	190.6	194.9
118.0	122.3	126.0	129.7	133.5	137.3	141.1	145.0	148.9	152.9	156.8	160.9	164.9	169.0	173.1	177.3	181.5	185.7	189.9
119.0	118.2	121.9	125.5	129.3	133.0	136.8	140.6	144.5	148.4	152.3	156.3	160.3	164.3	168.4	172.5	176.6	180.8	185.0
120.0	114.2	117.8	121.4	125.1	128.8	132.5	136.3	140.1	143.9	147.9	151.8	155.7	159.7	163.7	167.8	171.9	176.0	180.1
121.0	110.3	113.8	117.4	121.0	124.7	128.4	132.1	135.8	139.6	143.5	147.3	151.2	155.2	159.1	163.1	167.2	171.3	175.4
122.0	106.5	109.9	113.5	117.0	120.6	124.2	127.9	131.6	135.4	139.1	143.0	146.8	150.7	154.6	158.6	162.6	166.6	170.6
123.0	102.7	106.1	109.6	113.1	116.6	120.2	123.8	127.5	131.2	134.9	138.7	142.5	146.3	150.2	154.1	158.0	162.0	166.0
124.0	99.0	102.3	105.8	109.2	112.7	116.2	119.8	123.4	127.0	130.7	134.4	138.2	142.0	145.8	149.7	153.5	157.5	161.4
125.0	95.3	98.6	102.0	105.4	108.8	112.3	115.8	119.4	123.0	126.6	130.3	134.0	137.7	141.5	145.3	149.1	153.0	156.9
126.0	91.8	95.0	98.3	101.7	105.1	108.5	111.9	115.5	119.1	122.6	126.2	129.8	133.5	137.2	141.0	144.8	148.6	152.5
127.0	88.3	91.5	94.7	98.0	101.3	104.7	108.1	111.6	115.1	118.6	122.2	125.8	129.4	133.1	136.8	140.5	144.3	148.1
128.0	84.8	88.0	91.2	94.4	97.7	101.0	104.4	107.8	111.2	114.7	118.2	121.8	125.4	129.0	132.6	136.3	140.1	143.8
129.0	81.5	84.6	87.7	90.9	94.1	97.4	100.7	104.0	107.4	110.9	114.3	117.8	121.4	124.9	128.6	132.2	135.9	139.6
130.0	78.2	81.2	84.3	87.4	90.6	93.8	97.1	100.4	103.7	107.1	110.5	114.0	117.4	121.0	124.5	128.1	131.8	135.4
131.0	75.0	77.9	81.0	84.1	87.2	90.3	93.5	96.8	100.1	103.4	106.8	110.2	113.6	117.1	120.6	124.1	127.7	131.3

TABLE X. — Continued
 BESSEL FUNCTIONS OF ORDER 162 TO 179

ARG	BESSEL FUNCTION ORDER																		
	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
132.0	71.8	74.7	77.7	80.7	83.8	86.9	90.1	93.3	96.5	99.8	103.1	106.4	109.8	113.2	116.7	120.2	123.7	127.3	
133.0	68.7	71.6	74.5	77.5	80.5	83.6	86.7	89.8	93.0	96.2	99.5	102.8	106.1	109.5	112.9	116.3	119.8	123.3	
134.0	65.7	68.5	71.4	74.3	77.3	80.3	83.3	86.4	89.5	92.7	95.9	99.2	102.4	105.8	109.1	112.5	116.0	119.4	
135.0	62.7	65.5	68.3	71.2	74.1	77.0	80.0	83.1	86.1	89.3	92.4	95.6	98.9	102.1	105.4	108.8	112.2	115.6	
136.0	59.7	62.6	65.3	68.1	71.0	73.9	76.8	79.8	82.8	85.9	89.0	92.1	95.3	98.6	101.8	105.1	108.5	111.8	
137.0	57.0	59.7	62.4	65.2	67.9	70.8	73.7	76.6	79.6	82.6	85.6	88.7	91.9	95.0	98.3	101.5	104.8	108.1	
138.0	54.3	56.9	59.5	62.2	65.0	67.8	70.6	73.5	76.4	79.3	82.3	85.4	88.5	91.6	94.8	98.0	101.2	104.5	
139.0	51.6	54.2	56.8	59.4	62.1	64.8	67.6	70.4	73.3	76.2	79.1	82.1	85.1	88.2	91.3	94.5	97.7	100.9	
140.0	49.0	51.5	54.0	56.6	59.2	61.9	64.6	67.4	70.2	73.1	76.0	78.9	81.9	84.9	88.0	91.1	94.2	97.4	
141.0	46.5	48.9	51.4	53.9	56.5	59.1	61.7	64.5	67.2	70.0	72.9	75.8	78.7	81.7	84.7	87.7	90.8	93.9	
142.0	44.0	46.4	48.8	51.2	53.8	56.3	58.9	61.6	64.3	67.0	69.8	72.7	75.5	78.5	81.4	84.4	87.5	90.6	
143.0	41.6	43.9	46.3	48.7	51.1	53.6	56.2	58.8	61.4	64.1	66.9	69.6	72.5	75.3	78.3	81.2	84.2	87.2	
144.0	39.3	41.5	43.8	46.2	48.6	51.0	53.5	56.0	58.6	61.3	64.0	66.7	69.5	72.3	75.1	78.0	81.0	84.0	
145.0	37.0	39.2	41.4	43.7	46.1	48.4	50.9	53.4	55.9	58.5	61.1	63.8	66.5	69.3	72.1	74.9	77.8	80.8	
146.0	34.8	37.0	39.1	41.3	43.6	46.0	48.3	50.8	53.2	55.8	58.3	61.0	63.6	66.3	69.1	71.9	74.7	77.6	
147.0	32.7	34.8	36.9	39.0	41.3	43.5	45.9	48.2	50.6	53.1	55.6	58.2	60.8	63.5	66.2	68.9	71.7	74.5	
148.0	30.7	32.7	34.7	36.8	39.0	41.2	43.4	45.8	48.1	50.5	53.0	55.5	58.1	60.7	63.3	66.0	68.8	71.5	
149.0	28.7	30.6	32.6	34.7	36.7	38.9	41.1	43.3	45.7	48.0	50.4	52.9	55.4	57.9	60.5	63.2	65.8	68.6	
150.0	26.9	28.7	30.6	32.6	34.6	36.7	38.8	41.0	43.3	45.6	47.9	50.3	52.8	55.2	57.8	60.4	63.0	65.7	
151.0	25.0	26.8	28.6	30.5	32.5	34.5	36.6	38.7	40.9	43.2	45.5	47.8	50.2	52.6	55.1	57.7	60.2	62.9	
152.0	23.3	25.0	26.8	28.6	30.5	32.5	34.5	36.5	38.7	40.8	43.1	45.4	47.7	50.1	52.5	55.0	57.5	60.1	
153.0	21.7	23.3	25.0	26.7	28.6	30.4	32.4	34.4	36.5	38.6	40.8	43.0	45.3	47.6	50.0	52.4	54.9	57.4	
154.0	20.1	21.6	23.3	24.9	26.7	28.5	30.4	32.3	34.3	36.4	38.5	40.7	42.9	45.2	47.5	49.9	52.3	54.7	
155.0	18.6	20.1	21.6	23.2	24.9	26.7	28.5	30.4	32.3	34.3	36.3	38.4	40.6	42.8	45.1	47.4	49.8	52.2	
156.0	17.2	18.6	20.1	21.6	23.2	24.9	26.6	28.4	30.3	32.2	34.2	36.3	38.4	40.5	42.7	45.0	47.3	49.6	
157.0	15.9	17.2	18.6	20.0	21.6	23.2	24.8	26.6	28.4	30.3	32.2	34.2	36.2	38.3	40.4	42.6	44.9	47.2	
158.0	14.7	15.9	17.2	18.6	20.0	21.6	23.2	24.8	26.6	28.4	30.2	32.1	34.1	36.1	38.2	40.4	42.6	44.8	
159.0	13.6	14.7	15.9	17.2	18.6	20.0	21.5	23.1	24.8	26.5	28.3	30.2	32.1	34.0	36.1	38.2	40.3	42.5	
160.0	12.6	13.6	14.7	15.9	17.2	18.5	20.0	21.5	23.1	24.8	26.5	28.3	30.1	32.0	34.0	36.0	38.1	40.2	
161.0	11.6	12.6	13.6	14.7	15.9	17.2	18.5	20.0	21.5	23.1	24.7	26.4	28.2	30.1	32.0	33.9	35.9	38.0	
162.0	10.9	11.7	12.6	13.6	14.7	15.9	17.2	18.5	20.0	21.5	23.1	24.7	26.4	28.2	30.0	31.9	33.9	35.9	
163.0	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	23.0	24.7	26.4	28.2	30.0	31.9	33.8	
164.0	9.7	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	23.0	24.6	26.3	28.1	29.9	31.8	
165.0	9.3	9.7	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	23.0	24.6	26.3	28.1	29.9	
166.0	9.1	9.3	9.7	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	23.0	24.6	26.3	28.0	
167.0	9.1	9.1	9.3	9.7	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	22.9	24.6	26.2	
168.0	9.4	9.1	9.1	9.3	9.7	10.2	10.9	11.7	12.6	13.6	14.7	15.9	17.1	18.5	19.9	21.4	22.9	24.5	
169.0	10.1	9.4	9.2	9.1	9.3	9.7	10.3	10.9	11.7	12.6	13.6	14.7	15.8	17.1	18.4	19.9	21.3	22.9	
170.0	11.2	10.1	9.4	9.2	9.2	9.4	9.7	10.3	10.9	11.7	12.6	13.6	14.7	15.8	17.1	18.4	19.8	21.3	
171.0	13.4	11.2	10.0	9.4	9.2	9.2	9.4	9.7	10.3	10.9	11.7	12.6	13.6	14.7	15.8	17.1	18.4	19.8	

TABLE X. - Concluded

BESSEL FUNCTIONS OF ORDER 162 TO 179

BESSEL FUNCTION ORDER

ARG	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
172.0	13.6	13.4	11.2	10.0	9.4	9.2	9.2	9.4	9.8	10.3	10.9	11.7	12.6	13.6	14.7	15.8	17.1	18.4	
173.0	-16.1	19.4	13.3	11.2	10.0	9.4	9.2	9.2	9.4	9.8	10.3	11.0	11.7	12.6	13.6	14.7	15.8	17.1	
174.0	-12.5	-16.4	19.1	13.3	11.2	10.0	9.4	9.2	9.2	9.4	9.8	10.3	11.0	11.7	12.6	13.6	14.7	15.8	
175.0	-10.9	-12.5	-16.4	19.1	13.3	11.2	10.0	9.4	9.2	9.2	9.4	9.8	10.3	11.0	11.7	12.6	13.6	14.7	
176.0	-10.3	-10.3	-11.0	-12.7	-16.7	18.5	13.2	11.1	10.0	9.5	9.2	9.4	9.8	10.3	11.0	11.8	12.6	13.6	
177.0	-11.2	-10.3	-10.3	-11.0	-12.7	-16.7	18.5	13.1	11.1	10.0	9.5	9.2	9.4	9.8	10.3	11.0	11.8	12.6	
178.0	-13.2	-11.1	-10.3	-10.3	-11.0	-12.8	-17.0	18.1	13.1	11.1	10.0	9.5	9.2	9.4	9.8	10.4	11.0	11.8	
179.0	-19.8	-13.1	-11.1	-10.3	-10.3	-11.1	-12.8	-17.0	17.9	13.1	11.1	10.0	9.5	9.2	9.4	9.8	10.4	11.0	
180.0	15.5	-19.3	-13.0	-11.1	-10.3	-10.4	-11.1	-12.9	-17.4	17.8	13.0	11.0	10.0	9.5	9.2	9.3	9.5	9.8	
181.0	12.1	15.7	-18.8	-13.0	-11.0	-10.3	-10.4	-11.2	-13.0	-17.5	17.6	13.0	11.1	10.0	9.5	9.3	9.3	9.5	
182.0	10.9	12.2	15.9	-18.4	-12.9	-11.0	-10.3	-10.4	-11.2	-13.0	17.7	17.5	12.9	11.0	10.0	9.5	9.3	9.3	
183.0	10.7	10.9	12.3	16.2	-18.0	-12.8	-11.0	-10.3	-10.4	-11.2	-13.1	-17.9	17.3	12.9	11.0	10.0	9.5	9.3	
184.0	11.6	10.7	11.0	12.4	16.4	-12.7	-12.7	-11.0	-10.3	-10.4	-11.3	-13.2	-18.1	17.2	12.9	11.0	10.0	9.5	
185.0	14.3	11.6	10.7	11.0	12.5	16.7	-17.4	-12.7	-10.9	-10.3	-10.5	-11.3	-13.2	-18.3	17.1	12.8	11.0	10.0	
186.0	-26.1	14.1	11.8	10.7	11.0	12.6	17.0	-17.1	-12.6	-10.9	-10.5	-11.3	-13.2	-18.3	17.1	12.8	11.0	10.0	
187.0	-13.8	-32.9	13.9	11.5	10.7	11.1	12.7	17.3	-16.9	-12.5	-10.9	-10.5	-11.4	-13.3	17.4	12.8	11.0	10.0	
188.0	-11.6	-14.2	28.5	13.8	11.4	10.7	11.1	12.8	-16.9	-12.5	-10.9	-10.5	-11.4	-13.3	17.4	12.8	11.0	10.0	
189.0	-11.0	-11.6	-14.2	24.8	13.6	11.4	10.7	11.2	12.9	-16.6	-12.5	-10.9	-10.5	-11.4	-13.4	17.4	12.8	11.0	
190.0	-11.6	-11.0	-11.7	-14.4	13.5	11.4	11.3	10.7	12.9	-16.6	-12.5	-10.9	-10.5	-11.4	-13.4	17.4	12.8	11.0	
191.0	-14.1	-11.6	-11.0	-11.8	14.6	21.5	13.3	11.3	10.7	-11.2	-13.0	-16.2	-16.0	-12.3	-10.8	-10.6	-11.5	-13.6	
192.0	27.4	-13.9	-11.5	-11.0	-11.9	-14.9	20.5	13.2	11.3	10.7	11.3	13.2	16.0	-12.3	-10.8	-10.6	-11.5	-13.6	
193.0	13.8	-32.2	-13.7	-11.5	-11.0	-12.0	-15.1	19.7	13.1	11.2	10.8	11.3	13.2	-15.8	-12.2	-10.8	-10.4	-10.8	
194.0	11.6	14.0	-25.2	-13.5	-11.4	-11.0	-12.0	-15.4	19.1	13.0	11.2	10.8	11.4	13.4	20.2	-15.4	-12.1	-10.8	
195.0	11.2	11.7	14.3	-22.7	-13.3	-11.4	-11.1	-12.1	-15.7	18.5	12.9	11.2	10.8	11.4	13.5	20.9	-15.3	-12.1	
196.0	12.3	11.2	11.2	14.5	-21.1	-13.2	-11.3	-11.1	-12.2	-16.0	18.0	12.8	11.1	10.8	11.5	13.6	21.6	-15.1	
197.0	16.3	12.2	11.2	11.9	14.8	-20.0	-13.0	-11.3	-11.1	-12.3	-16.3	17.5	12.7	11.1	10.8	11.5	13.8	22.4	
198.0	-17.2	15.8	12.1	11.2	12.0	15.1	-19.1	-12.9	-11.3	-11.2	-12.4	-16.6	17.1	12.6	11.1	10.8	11.6	13.9	
199.0	-12.6	-17.9	15.4	12.0	11.2	12.1	15.3	-18.4	-12.8	-11.2	-11.2	-12.6	17.0	16.8	12.5	11.1	10.8	11.7	
200.0	-11.4	-12.8	-18.7	15.1	11.9	11.2	12.2	-15.8	-12.8	-12.6	-11.2	-12.6	-17.4	-17.4	16.5	12.4	11.0	10.9	
201.0	-11.9	-11.4	-12.9	-19.8	14.7	11.8	11.2	12.3	16.2	-17.3	-12.5	-11.2	-11.3	-12.8	-17.9	16.2	12.3	11.0	
202.0	-14.5	-11.8	-11.5	-13.1	-21.1	14.5	11.8	11.3	12.4	16.6	-16.8	-12.4	-11.2	-11.3	-12.9	-18.4	15.9	12.2	
203.0	21.9	-14.2	-11.7	-11.5	-13.3	-23.0	14.2	11.7	11.3	12.5	17.1	-16.4	-12.3	-11.1	-11.4	-13.0	-18.9	15.6	
204.0	13.4	24.9	-13.9	-11.6	-11.6	-26.5	-13.6	-13.9	11.6	12.7	17.6	-16.0	-12.2	-11.1	-11.4	-13.0	-18.9	15.6	
205.0	11.6	13.6	46.0	-13.6	-11.6	-11.6	-13.8	33.2	11.6	11.6	11.4	12.8	18.2	-15.7	-15.4	-12.1	-11.5	-13.3	
206.0	11.8	11.7	13.9	-25.0	-13.4	-11.6	-11.7	-14.1	25.0	13.5	11.5	11.4	13.0	18.9	15.4	-12.1	-11.1	-11.5	
207.0	14.2	11.8	14.2	14.2	-22.0	-13.2	-11.5	-11.8	-14.3	22.3	13.3	11.5	11.4	13.1	19.8	-15.1	-12.0	-11.5	
208.0	-24.6	13.9	11.7	11.9	14.6	-20.3	-13.0	-11.5	-11.9	-14.6	20.7	13.2	11.5	11.5	13.3	20.8	-14.8	-11.9	
209.0	-13.6	38.1	13.6	11.7	12.0	14.9	-19.0	-12.8	-11.5	-12.0	-15.0	19.6	13.0	11.4	11.6	13.4	-14.6	-11.9	
210.0	-11.8	-13.9	24.3	13.3	11.6	12.1	15.3	-18.1	-12.7	-11.5	-12.1	-15.3	18.7	12.8	11.4	11.6	-14.6	-11.9	
211.0																			