

TABLE ERRATA

504.—MILTON ABRAMOWITZ & IRENE A. STEGUN, Editors, *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables*, National Bureau of Standards, Applied Mathematics Series, No. 55, U. S. Government Printing Office, Washington, D. C., 1964, and all known reprints.

On p. 17, in Section 3.8.3, the quadratic equations in v will give the correct roots of the quartic equation only if $a_3u_1 \geq 2a_1$. If $a_3u_1 < 2a_1$, the \mp sign before the last term in the expression for the quadratic equations should be replaced by \pm .

On p. 20, in Section 3.12, in the last line of Example 5,
for $\pm.83036\ 800i$, read $\pm.83036\ 6797i$.

On p. 999, in Table 27.3 the following final-digit corrections are required for the Einstein function $x(e^x - 1)^{-1} - \ln(1 - e^{-x})$:

x	<i>for</i>	<i>read</i>
0.25	2.38888	2.38889
0.95	1.08809	1.08807

Table 27.3 is believed otherwise to be free from error.

ROBIN S. MCDOWELL

Los Alamos Scientific Laboratory
University of California
Los Alamos, New Mexico 87544

505.—J. W. WRENCH, JR., "Concerning two series for the Gamma function," *Math. Comp.*, v. 22, 1968, pp. 617–626.

Comparison of Tables 4 and 5 with corresponding recent, unpublished 70D tables of Morris [1] has revealed that 18 final-digit corrections are required in the first table and 20 such corrections in the second.

Specifically, these last-place corrections in Table 4 are as follows:

i	<i>for</i>	<i>read</i>	i	<i>for</i>	<i>read</i>
13	46	38	24	2	3
14	3	6	25	4	5
15	7	1	28	5	6
16	5	4	29	8	7
17	2	3	31	6	5
18	6	9	33	4	5
19	9	8	34	4	3
20	7	6	36	4	3
21	8	7	37	5	4

Similar corrections in Table 5 are the following:

<i>i</i>	<i>for</i>	<i>read</i>	<i>i</i>	<i>for</i>	<i>read</i>
8	5	4	26	6	9
14	89	96	27	7	6
15	9	4	29	6	5
16	34	25	31	1	0
17	62	57	32	1	2
18	3	1	33	6	5
19	88	92	35	0	2
20	37	40	36	500	498
23	9	8	37	0	1
25	9	8	38	9	8

Corrections in Tables 2 and 3 of this paper have been previously announced by Spira [2].

J. W. W.

1. A. H. MORRIS, JR., *Tables of Coefficients of the Maclaurin Expansions of $1/\Gamma(z+1)$ and $1/\Gamma(z+2)$* , ms. deposited in UMT file. (See *Math. Comp.*, v. 27, 1973, p. 674, RMT 33.)
2. ROBERT SPIRA, "Calculation of the Gamma function by Stirling's formula," *Math. Comp.*, v. 25, 1971, pp. 317-322.