

## ERRATA

376.—MILTON ABRAMOWITZ & IRENE A. STEGUN, *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.

In Table 25.2, on p. 914, every entry in the "Error" columns should be multiplied by the appropriate value of  $k!/h^k$ .

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On p. 944, in formula 26.5.14 the right member should read  $\frac{1}{2}I_{1-x'}(a, \frac{1}{2})$ , instead of  $1 - \frac{1}{2}I_{1-x'}(a, \frac{1}{2})$ .

On p. 945 the right side of formula 26.5.27 (Student's distribution) should read  $\frac{1}{2}I_x(\nu/2, 1/2)$ , instead of  $I_x(\nu/2, 1/2)$ . Accordingly, on p. 948, the right member in the third line of formula 26.7.1 should read  $1 - I_x(\nu/2, 1/2)$ , instead of  $1 - 2I_x(\nu/2, 1/2)$ .

It may be noted that the original version of formula 26.5.27 is not consistent with the special case  $\nu_1 = 1$  of formula 26.5.28, since the upper tail area  $Q(F | 1, \nu_2)$  of the  $F$ -distribution corresponds to the double tail area  $1 - A(t | \nu)$  of Student's  $t$ -distribution.

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On p. 85, in formula 4.5.64, for

$$\frac{2^{2n}(2^{2n-1})B_{2n}}{(2n)!} z^{2n-1}$$

read

$$\frac{2^{2n}(2^{2n} - 1)B_{2n}}{(2n)!} z^{2n-1}.$$

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EDITORIAL NOTE: Previous notices of errata in this *Handbook* appear in *Math. Comp.*, v. 19, p. 174, MTE 362; pp. 360-361, MTE 365; p. 527, MTE 373.

377.—W. L. HABERMAN & E. E. HARLEY, *Numerical Evaluation of Integrals containing Modified Bessel Functions*, David Taylor Model Basin Report 1580, Washington, D. C., March 1964.

The values of  $S_n^1$  appearing in Table 1, on page 6, require the following corrections. The value of  $S_1^1$  should be infinite, since the integral diverges when  $n = 1$ . Three major numerical errors appear: when  $n = 6$ , for .23436916, read .23430922;

when  $n = 15$ , for .69379239, read .69378268; when  $n = 19$ , for .39464231, read .39465249. The remaining entries require additive last-place corrections as follows:

$n$	Correction	$n$	Correction
2	+5	11	+11
3	3	12	7
4	6	13	6
5	18	14	37
7	25	16	24
8	8	17	21
9	4	18	19
10	19	20	19

Furthermore, the exponents in the floating-point values of  $S_n^0$  when  $n = 18, 19, 20$  should each be decreased by unity.

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EDITORIAL NOTE: The exponents corresponding to  $n = 14, 18, 19, 20$  in the values of  $S_n^0$  appearing in the same table should also be decreased by unity.

378.—JEAN PETERS, *Eight-Place Tables of Trigonometric Functions for Every Second of Arc*, Chelsea Publishing Company, New York, 1965.

On p. 503, the value of  $\cos 25^\circ 5' 53''$  should read 0.90558319, instead of 0.90538319. This typographical error appears also in the first printing (1963), in which other errors have been previously found [1].

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1. *Math. Comp.*, v. 19, 1965, p. 174, MTE 363. See also *Math. Comp.*, v. 18, 1964, p. 509, RMT 65.

### CORRIGENDUM

D. TEICHROEW, "Use of continued fractions in high speed computing," *MTAC*, v. 6, 1952, pp. 127-133.

On p. 129, under method III, the denominator of the formula for  $1 + \rho_i$  should read  $1 + r_i(1 + \rho_{i-1})$ , instead of  $1 + r_i(1 - \rho_{i-1})$ .

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