TABLE ERRATA

539.—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.

In Table 27.5, on p. 1003, the values of the integral $f_m(x) = \int_0^\infty t^m e^{-t^2 - x/t}\, dt$ corresponding to $m = 1, 2, 3$ and $x = 0(0.01)0.05, 0.1(0.1)1.0$ have been recalculated to 15S, and a total of 11 terminal-digit errors were thereby discovered. The 4D tabular values of $f_1(x)$ should be increased by a final unit when $x = 0.04, 0.05, 0.2, 0.4$, and 0.5, and the values of $f_3(x)$ should be similarly increased when $x = 0.04, 0.05, 0.1$, 0.5, and 1.0. An increase of two units in the last place is required in the value of $f_3(0.7)$. The tabulated values of $f_2(x)$ were found to be free of error.

The corrected values are partially confirmed by Table I in [1, p. 166].

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1. M. T. CHAHINE & R. NARASIMHA, "The integral $\int_0^\infty v^n \exp[-(v-u)^2 - x/v]\, dv$," *J. Math. and Phys.*, v. 43, 1964, pp. 163–168.

540.—A. GRAY, G. B. MATHEWS & T. M. MACROBERT, *A Treatise on Bessel Functions and Their Applications to Physics,* Second edition, Macmillan, London, 1922; reprinted by Dover Publications, 1966.

A complete check of Table III, on p. 300, revealed a total of eight errors, of which only one has been previously announced [1]; namely, in the 8D value of $J_1(x_n)$ for $n = 35$, where for 35913, one should read 36383.

The 10D values of the zeros x_n of $J_0(x)$ should be decreased by a final unit when $n = 4$, 5, and 8, and the 8D values of $J_1(x_n)$ should be increased by a final unit when $n = 5$ and 16, and decreased by a similar amount when $n = 14$ and 24.

Accordingly, the second sentence under Table III (1922) in [1, p. 824] should be amended to read, "The only error, excluding roundoff errors, is. . .".

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1. A. FLETCHER, J. C. P. MILLER, L. ROSENHEAD & L. J. COMRIE, *An Index of Mathematical Tables,* v. II, 2nd ed., Addison-Wesley, Reading, Mass., 1962, p. 824.

541.—DOV JARDEN, *Recurring Sequences,* Third edition, Riveon Lematematika, Jerusalem, 1973.

On p. 21, in B_{59} the factor 12391 should be underlined.

On p. 47, in V_{152} the first underlined factor should read 562766385967, not 1562766385967.

On p. 49, in U_{213} *for* 308061521170129, *read* 6673 · 46165371073, and in U_{231} delete 29 and 199.

On p. 57, in U_{355} *for* 308061521170129, *read* 6673 · 46165371073.

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EDITORIAL NOTE: For errors in previous editions see *MTAC*, v. 2, 1947, p. 343, RMT 438; v. 3, 1948, pp. 119–120, MTE 127; *Math. Comp.*, v. 26, 1972, pp. 1029–1030, MTE 499.

542.—JACK LEVINE & R. E. DALTON, "Minimum periods, modulo p, of first-order Bell exponential integers," *Math. Comp.*, v. 16, 1962, pp. 416–423.

On p. 421, in Table 3, the second prime factor of N_{43} should be 120401 instead of 6709, which actually divides $43^{43} + 1$.

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EDITORIAL NOTE: Dr. Brillhart has supplied the following additional relevant information. N_{19}, N_{31}, and the largest factor shown for N_{29} are all primes; the cofactors of N_{37}, N_{41}, and N_{47} are composite; the cofactor of N_{43} is a pseudoprime, base 13. Furthermore, the complete factorization of N_{23} is $N_{23} = 461 \cdot 1289 \cdot 831603031789 \cdot 1920647391913$.

543.—SAMUEL M. SELBY, Editor, *Standard Mathematical Tables*, 22nd edition, The Chemical Rubber Co., Cleveland, Ohio, 1974.

On p. 535 the numerator of the last term shown of Mc Mahon's asymptotic expansions for $j_{1,s}$ should read 895,167,324 in place of 8,952,167,324.

This error also appears in previous editions of these tables.

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