TABLE ERRATA


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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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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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 \cdot 4615371073, and in \( U_{231} \) delete 29 and 199.
On p. 57, in \( U_{355} \) for 308061521170129, read 6673 \cdot 4615371073.

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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 $N_{23} = 461 \cdot 1289 \cdot 8316031789 \cdot 1920647391913$.


On p. 535 the numerator of the last term shown of McMahon’s asymptotic expansions for $i_{1,4}$ 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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