

TABLE ERRATA

471.—A. ERDÉLYI, W. MAGNUS, F. OBERHETTINGER & F. G. TRICOMI, *Higher Transcendental Functions*, McGraw-Hill Book Co., New York, 1953.

In Volume I the following changes should be made.

P. 64: In the fifth line above the heading of Section 2.15, for $|\arg(1 - z)| < 1$, read $|\arg(1 - z)| < \pi$.

P. 147: In the denominator of the right member of the last equation, for $\Gamma(\nu + n + 1)$, read $\Gamma(\nu - n + 1)$.

P. 155: In formula 3.7(6), add the condition $\operatorname{Re} z > 0$.

P. 158: In formula 3.7(23), add the condition $0 < \theta < \pi/2$.

In Volume II the following corrections are necessary.

P. 93: In formula 7.14.2(37), add the condition $\operatorname{Re} \rho > -1$, and in formula 7.14.2(38) change $\operatorname{Re}(\rho + \nu - \mu) > -1$, $\operatorname{Re} \rho > -1$ to $\operatorname{Re}(1 \pm \nu \pm \mu) > \operatorname{Re} \rho > -1$.

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EDITORIAL NOTE: For notices of additional corrections see *Math. Comp.*, v. 24, 1970, p. 239, MTE 450 and the editorial footnote thereto; also v. 17, 1963, p. 485, MTE 338 and v. 18, 1964, p. 687, MTE 360.

472.—A. ERDÉLYI, W. MAGNUS, F. OBERHETTINGER & F. G. TRICOMI, *Tables of Integral Transforms*, McGraw-Hill Book Co., New York, 1954.

In Volume I, p. 332, the transform in 6.8(38) should read $g(s) = -\int_0^\infty \{ \} x^{s-1} dx$.

In Volume II the following corrections should be made.

P. 130: In 10.2(17), in $f(x)$ change $+\cos[(1/2\nu - \mu)\pi]$ to $\times \cos[(1/2\nu - \mu)\pi]$.

P. 177: In 12.1(15), for

$$\frac{1}{2}[\pi\alpha y/(y^2 + \alpha^2)]^{1/2} \exp[-(y^2 + \alpha^2)^{1/2}],$$

read

$$\frac{1}{2}[\pi\alpha y/(y^2 + \alpha^2)^{1/2}]^{1/2} \exp[-(y^2 + \alpha^2)^{1/2}].$$

P. 344: In 19.2(36) the constant on the right side should be $-(\frac{1}{2}a)^{1/2}$ instead of $-(\frac{1}{2}a)^{-1/2}$. (This is given correctly in formula 7.181(2) on p. 810 of *Tables of Integrals, Series, and Products*, by I. S. Gradshteyn & I. M. Ryzhik, Academic Press, New York 1965.)

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EDITORIAL NOTE: For references to additional errata see *Math. Comp.*, v. 24, 1970, pp. 239–240, MTE 451 and the footnote thereto.

473.—I. S. GRADSHTEYN & I. M. RYZHIK, *Tables of Integrals, Series, and Products*, 4th ed., Academic Press, New York, 1965.

On p. 326, in each of formulas 3.411(19) and 3.411(20) the coefficient n_k , defined as the ascending factorial of order k , should be replaced by the binomial coefficient $\binom{n}{k}$.

This error has been reproduced from a publication of Lindman [1]; the corresponding original formulas in the table of Bierens de Haan [2] are free from error.

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1. C. F. LINDMAN, *Examen des Nouvelles Tables d'Intégrales Définies de M. Bierens de Haan*, reprinted by G. E. Stechert, New York, 1944, pp. 48–49.

2. D. BIERENS DE HAAN, *Nouvelles Tables d'Intégrales Définies*, corrected reprint, Stechert, New York, 1939, Table 89, formulas 10 and 15, p. 130.

EDITORIAL NOTE: For announcements of additional errors in this edition of the tables of Gradshteyn & Ryzhik see *Math. Comp.*, v. 20, 1966, pp. 616–617, RMT 85; v. 21, 1967, pp. 293–294, MTE 408; v. 22, 1968, pp. 903–907, MTE 428; v. 23, 1969, pp. 468–469, MTE 437.

474.—PETER GRAY, *Tables for the Formation of Logarithms and Antilogarithms to Twenty-Four Decimal Places*, 1st ed., Layton, London, 1876 (2nd ed. 1900).

On p. 30 the last two places of the 18S value of $e^{\pi\sqrt{43}}$ should read 66 instead of 23. Likewise, on p. 31 the final two digits of the 24S value of $e^{\pi\sqrt{87}}$ should read 54 instead of 68.

Corresponding corrections are required in Volume I, p. 140 (Section 5.522) of the FMRC *Index* [1], where these values of Gray are reproduced.

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

475.—DOV JARDEN, *Recurring Sequences*, 2nd ed., Riveon Lematematika, Jerusalem, 1966. [See *Math. Comp.*, v. 23, 1969, pp. 212–213, RMT 9.]

On p. 55, the cofactor of V_{272} should read

$$906148757845010999287540714389194369 c,$$

and the cofactor of V_{276} should read

$$18423463609862225329.$$

On p. 59, the second largest prime factor of V_{375} should read
 468535826053501
 instead of
 46853582653501.

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476.—W. MAGNUS & F. OBERHETTINGER, *Formeln und Sätze für die speziellen Funktionen der mathematischen Physik*, Springer, Berlin, 1948.

In Chapter VI, Section 3, p. 123 a minus sign should be prefixed to the right side of the formula for $D_{-2}(z)$.

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EDITORIAL NOTE: This error is reproduced on p. 93 of the English translation published by Chelsea Publishing Co., New York in 1954. Notices of additional errors in these two editions appear in *Math. Comp.*, v. 21, 1967, p. 523, MTE 413, p. 524, MTE 414; v. 22, 1968, p. 909, MTE 430.

477.—W. MAGNUS, F. OBERHETTINGER & R. P. SONI, *Formulas and Theorems for the Special Functions of Mathematical Physics*, Springer-Verlag, New York, 1966.

On the first line of p. 3, the right side of the equation should read

$$(-1)^n \frac{m!}{(m-n)!}.$$

On p. 170, the first equation should read $P_{-v-1}^\mu(x) = P_v^\mu(x)$.

On p. 188, the first equation in Section 4.6.2 should read

$$\Gamma(\tfrac{1}{2} - \mu)(1 - x^2)^{\mu/2} \pi^{1/2} 2^{-\mu} P_v^\mu(x) = \int_0^\pi [x + i(1 - x^2)^{1/2} \cos t]^{v+\mu} (\sin t)^{-2\mu} dt,$$

$\operatorname{Re} \mu < \frac{1}{2}$, $0 < x < 1$.

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EDITORIAL NOTE: For notices of additional errors, see *Math. Comp.*, v. 23, 1969, p. 471, MTE 440, and v. 24, 1970, p. 240, MTE 453.