
On p. 320, in Section 13.8, Eq. (17), for \( \pi/18 \), read \( \pi/12 \).

On the same page, Eq. (20) should be corrected to read

\[
K'(e^{i\theta/6}) = e^{-i\theta/6}K(e^{i\theta/6}) = \frac{1/2\Gamma(1/6)}{2\cdot 3^{1/4}\Gamma(2/3)} e^{-i\pi/12}.
\]

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On p. 93, in Eq. (36) of Section 7.14, the second condition for validity of the formula should read \( \text{Re} (-\rho \pm \mu \pm \nu + 1) > 0 \) in place of \( \text{Re} (\rho \pm \mu \pm \nu + 1) > 0 \).

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On p. 310 of Volume I, the Mellin transform, \( g(s) \), in formula (22) should be changed to read

\[
2^{-1/2}(\sin \theta)^{1/2-\nu} B(\frac{1}{2} + \nu) B(2\nu - s) P^{1/2-\nu}_{\nu-1/2}(\cos \theta).
\]

This formula can be obtained by reducing formula (33) on p. 160 of *Higher Transcendental Functions*, Vol. I, by the same authors, to the real axis with \( z = \cos \theta \). Furthermore, it can be checked by combining formula (11) on p. 144 of this last reference with formula 441.4 on p. 184 of *Integraltafel*, v. 2 (*Bestimmte Integrale*), by W. Gröbner & N. Hofreiter.

This error has been reproduced in slightly different notation in formula 3.252.10 on p. 297 of *Table of Integrals, Series and Products*, by I. S. Gradshteyn & I. M. Ryzhik.

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TABLE ERRATA


In Table IV, on p. 301, which lists to 16D the zeros $x_n$ of $J_1(x)$ and the corresponding turning values $J_0(x_n)$ of $J_0(x)$, the following corrections should be made:

In $J_0(x_8)$, for 8622, read 8522,

$J_0(x_{10})$, for 8193 1148, read 8183 9823,

$J_0(x_{26})$, for 7192, read 4241,

$J_0(x_{29})$, for 2981 9746, read 2982 2263,

$J_0(x_{30})$, for 4857, read 4858,

$J_0(x_{40})$, for 0974, read 0374.

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On p. 170, 1–7, the second term of the Wronskian determinant should read

$$-Q_\nu''(x) \frac{d}{dx} P_\nu''(x)$$

instead of

$$-P_\nu''(x) \frac{d}{dx} Q_\nu''(x).$$

On p. 359, l. 13, for $k = \sin (\pi/18)$, read $k = \sin (\pi/12).$ This error appears also in the 1948 German edition, and has been reproduced in the tables of Gradshteyn & Ryzhik (see the corresponding corrections listed in Math. Comp., v. 22, 1968, p. 904, MTE 428, and v. 14, 1960, p. 402, MTE 293).

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On p. 4, Eq. (1.12) should read

$$\bar{F}_1(\alpha; 2\alpha; \pm p) = \frac{2^{2\alpha-1} \Gamma(\alpha + \frac{1}{2})}{p^{\alpha-\frac{1}{2}}} e^{\pm p/2} I_{\alpha-\frac{1}{2}}(p/2),$$

where $2\alpha \neq 0, -1, -2, \ldots$.

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TABLE ERRATA 241

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EDITORIAL NOTE: For a brief description of this report and the tables therein see MTAC, v. 6, 1952, p. 161, RMT 1014.


On p. xviii, in the definition of the parabolic cylinder function $D_v(x)$, the second subscript of the Whittaker function should have a minus sign prefixed.

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EDITORIAL NOTE: For other errors in this table, see Math. Comp., v. 20, 1966, p. 641, MTE 402.


On p. 145, formula 3.195.1 is incorrect; it should read

$$
\int_0^\infty \frac{x^{a-1}dx}{(p + qx)^{b+1}} = \frac{1}{cp^{b+1}} \left( \frac{p}{q} \right)^{a/c} \frac{\Gamma(g/c)\Gamma(h + 1 - g/c)}{\Gamma(h + 1)}
$$

$[0 < g/c < h + 1, p \neq 0, q \neq 0].$

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On p. 47, Eq. (2.2.2.12), for

$$
J_\nu(iz)J_\nu(iz) = \frac{(iz)^{\mu+\nu}}{2^{\mu+\nu}\Gamma(1 + \mu)\Gamma(1 + \nu)} \text{hyper}_2 \left[ \frac{1}{2}\mu + \frac{1}{2}\nu + \frac{1}{2}, \frac{1}{2}\mu + \frac{1}{2}\nu + 1; \frac{1}{2} \right]
$$

read

$$
I_\nu(z)I_\nu(z) = \frac{(iz)^{\mu+\nu}}{\Gamma(1 + \mu)\Gamma(1 + \nu)} \text{hyper}_2 \left[ \frac{1}{2}\mu + \frac{1}{2}\nu + \frac{1}{2}, \frac{1}{2}\mu + \frac{1}{2}\nu + 1; z^2 \right]
$$

and
TABLE ERRATA

\[ J_\mu(z)J_\nu(z) = \frac{(\frac{1}{2}z)^{\mu+\nu}}{\Gamma(1+\mu)\Gamma(1+\nu)} \binom{2F_3}{\frac{1}{2}\mu + \frac{1}{2}\nu + \frac{1}{2}, \frac{1}{2}\mu + \frac{1}{2}\nu + 1; -z^2}. \]

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EDITORIAL NOTE: For a review which cites additional errors, see Math. Comp., v. 20, 1966, pp. 629–630, RMT 103.