

Page	Formula	Correction
1010	8.772(3)	For $\left(\frac{z+1}{2}\right)^{-\nu}$, read $\left(\frac{z+1}{2}\right)^{\nu}$.
	8.773(1)	For $\mu + \frac{3}{2}$, read $\nu + \frac{3}{2}$.
1013	8.792	For $\sum_{k=1}^{\infty}$, read $\sum_{k=0}^{\infty}$.
1016	8.820(2)	For $\frac{\nu+3}{2}$, read $\nu + \frac{3}{2}$.
1019	8.831(3)	For $2E\left(\frac{n-1}{2}\right)$, read $E\left(\frac{n-1}{2}\right)$.
1023	8.852(2)	For 2^{-m} , read 2^{-2m} .
1028	8.923	For $\sum_{k=0}^{\infty}$, read $\sum_{k=1}^{\infty}$, and add $\frac{\pi x}{2}$ to the right member.

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EDITORIAL NOTE: For notices of errata in earlier editions, see *Math. Comp.*, v. 14, 1960, pp. 401-403, MTE 293; v. 17, 1963, p. 102, MTE 326; v. 20, 1966, p. 468, MTE 392.

429.—YUDELL L. LUKE, *Integrals of Bessel Functions*, McGraw-Hill Book Co., New York, 1962*

- P. 5: In the next to the last line before Section 1.3.2, for L_{pq}^t , read $L_{pq}^t(-z)$.
- P. 15, Eq. (2): For $-\psi(1 + \beta_q + k) + \psi(1 + \beta_q)$,
read $-\psi(1 + \delta_s + k) + \psi(1 + \delta_s)$.
- P. 17, Eq. (7): In the ${}_{p+1}F_{q+1}$, for $b_q + m$, read $1 + b_q + m$.
- P. 24, Eq. (16): In the finite sum, i.e., in $\sum_{k=0}^{2n-1}$, divide $(2n - 1 - k)!$ by $k!$.
The same correction should be made in the corresponding finite sums in Eqs. 4.2(2), 4.2(8), 4.2(10), 4.2(11) and 4.2(12), which are on pp. 96-99.
- P. 25, Eq. (21): For $\pi(1 - \nu^2)$ in denominator of second term, read $\nu\pi(1 - \nu^2)$.
- P. 26, Eq. (10): Insert $(-)^k$ behind $\sum_{k=0}^{n-1}$.
- P. 34, Eq. (3): For $x^{-n}J_n(x)$ read $(x/4)^{-n}J_n(x)$.
- P. 76, Eq. (1): Insert $(-)^k$ behind $\sum_{k=0}^{p-1}$.
- P. 98, Eq. (9): In the terms enclosed in [], replace k by m .

* Reviewed in *Math. Comp.*, v. 17, 1963, pp. 318-320. I am indebted to W. T. Chen, Eldon R. Hansen, Jesper Hansen, F. Krückeberg, Merrell L. Patrick and K. Seebass for some of the data reported here.

P. 101, Eq. (8): In the expression for β , replace $(\nu^2 - \frac{1}{4})$ by $(\nu^2 - \frac{1}{4})^{-1}$.

P. 104, Eq. (10): The constant term should read

$$-\frac{\Gamma(\mu + \nu + 1)\Gamma(\mu - \nu + 1)\cos \nu\pi}{2^\mu (3/2)_\mu \cos \mu\pi}$$

as in Eq. 4.5(5).

P. 125, Eq. (27): The second line of the right-hand side of this equation should read

$$= \int_0^z J_0(t)dt + J_{2n+1}(z) - 2 \sum_{k=0}^n J_{2k+1}(z).$$

P. 141: In the first line after 6.5, for 1.4.7, read 1.4.8.

P. 150, Eq. (13):

For $1 + 2 \sum_{k=1}^{\infty} \dots$, read $I_0(z/2) + 2 \sum_{k=1}^{\infty} \dots$.

P. 154: For the first line before Eq. (9) read as follows: complex plane with center at the origin and a is an integer or zero, then

P. 154, Eq. (9): Replace the right-hand side of this equality by

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

P. 154, Eq. (10): Replace the right-hand side of the second equality by

$$\frac{(-)^n n!}{(2n+a+1)(n+a)!}, \text{ if } m = n.$$

P. 157: For the two lines following Eq. (25) read as follows: Define $K = n + 1 - a/2$. If a is bounded, z is fixed and nonzero, then

P. 159: For the two lines following Eq. (33) read as follows: Define $K_1 = n + (1 - a)/2$. Again if a is bounded, z is fixed and nonzero, then

P. 178, Eq. (32):

For $\Phi\left(-\frac{n+1}{2}, \frac{1}{2}; z^2\right)$, read $\Phi\left(\frac{n+1}{2}, \frac{1}{2}; z^2\right)$.

P. 181: In the first line after Eq. (18), for $ic(z)$ read $rc(z)$.

P. 211, Eq. (3): For $y_{\alpha-1}(z)$, read $j_{\alpha-1}(z)$.

P. 226, Eq. (5): In the second line of this equation, for $\cos \nu\mu$, read $\cos \nu\pi$.

P. 254, Eq. (1): The right-hand side should read

$$z\{kC_{\mu+1}(kz)D_\nu(lz) - lC_\mu(kz)D_{\nu+1}(lz)\} - (\mu - \nu)C_\mu(kz)D_\nu(lz).$$

P. 260, Eq. (29): For $R(\mu + \nu + \rho)$, read $R(2\nu + \rho)$.

P. 290, Eq. (1): For $BJ_\nu(z)$, read $BY_\nu(z)$.

P. 308, Eq. (1): In the second integral expression, for $J_{\nu-1}(z \cos \theta)$, read $J_{\nu-1}(z \sin \theta)$.

P. 325, Eq. (4): In the second line replace $(a^2 - b^2)^{\mu-\nu+1}$ by $(a^2 - b^2)^{\mu-\nu-1}$.

P. 346, Eq. (14):

For $\int_0^\infty \dots = A(x)$, read $\int_a^\infty \dots = A(x)$.

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

P. 119, Line 5: In place of the factor

$$\frac{\Gamma(2\mu + 1)}{(z + \zeta)^\mu}, \text{ read } \Gamma(2\mu + 1)(z + \zeta)^{1/2}.$$

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