



HANDBOOK OF MATHEMATICAL FUNCTIONS

with Formulas, Graphs, and Mathematical Tables

Edited by Milton Abramowitz and Irene A. Stegun

Powers and roots n^k • Common logarithms • Circular sines and cosines for radian arguments • Exponential Integrals $E_n(x)$ • Tetragamma and pentagamma functions • Gamma function for complex arguments • Derivatives of the Legendre Function • Bessel functions—orders 0, 1 and 2, orders 10, 11, 20 and 21, etc. • Spherical Bessel functions • Struve functions • Confluent hypergeometric functions $M(a, b, x)$ • Coulomb wave functions of order zero • Jacobian zeta function $Z(\phi, \omega)$ • Heuman's lambda function • Table for obtaining periods for invariants g_2 and g_3 • Invariants and values at half-periods • Parabolic cylinder functions • Mathieu functions: characteristic values, joining factors, some critical values • Oblate radial functions—first and second kinds • Sums of reciprocal powers • Bernoulli and Euler numbers • Stirling numbers of the first and second kinds

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