

# Subject Index

<b>A</b>	<b>Page</b>	<b>B</b>	<b>Page</b>
Adam's formulas .....	896	Basic numbers .....	822
Airy functions .....	367, 446, 510, 540, 689	Bateman function .....	510
ascending series for .....	446	Bernoulli numbers .....	804
ascending series for integrals of .....	447	table of .....	810
asymptotic expansions of .....	448	Bernoulli polynomials .....	803
asymptotic expansions of modulus and phase .....	449	as sums of powers .....	804
asymptotic forms of integrals of .....	449	coefficients of .....	809
asymptotic forms of related functions .....	450	derivatives of .....	804
complex zeros and associated values of $Bi(z)$ and $Bi'(z)$ .....	478	differences of .....	804
computation of .....	454	expansions of .....	804
computation of zeros of .....	454	Fourier expansions of .....	805
definitions .....	446	generating function for .....	804
differential equations .....	446, 448	inequalities for .....	805
graphs of .....	446	integrals involving .....	805
integral representations of .....	447	multiplication theorem for .....	804
integrals involving .....	448	relations with Euler polynomials .....	806
modulus and phase .....	449	special values of .....	805
related functions .....	448	symbolic operations .....	806
relations between .....	446	symmetry relations .....	804
representations in terms of Bessel functions .....	447	Bessel functions .....	
tables of .....	475	as parabolic cylinder functions .....	692, 697
tables of integrals of .....	478	definite integrals .....	485
Wronskian for products of .....	448	modified .....	374, 509
Wronskian relations .....	446	notation for .....	358
zeros and their asymptotic expansions .....	450	of fractional order .....	437
Airy functions and their derivatives .....	446	of the first kind .....	358, 509
zeros and associated values of .....	478	of the second kind .....	358, 509
Airy integrals .....	447	of the third kind .....	358, 510
Aitken's $\delta^2$ -process .....	18	orthogonality properties of .....	485
Aitken's iteration method .....	879	representations in terms of Airy functions .....	447
Anger's function .....	498	spherical .....	437, 509
relation to Weber's function .....	498	Bessel functions of half-integer order .....	437, 497
Antilogarithm .....	89	zeros and associated values .....	467
Approximate values .....	14	zeros of the derivative and associated values .....	468
Approximation methods .....	18	Bessel functions, integrals .....	479, 485
Aitken's $\delta^2$ -process .....	18	asymptotic expansions .....	480, 482
Newton's method .....	18	computation of .....	488
regula falsi .....	18	convolution type .....	485
successive substitution .....	18	Hankel-Nicholson type .....	488
Argument .....	16	involving products of .....	484
Arithmetic functions .....	826	polynomial approximations .....	481, 482
table of .....	840	recurrence relations .....	480, 483
Arithmetic-geometric mean .....	571, 577, 578, 580, 598, 601	reduction formulas .....	483
Arithmetic mean .....	10	repeated .....	482
Arithmetic progression .....	10	simple .....	480
Associated Legendre functions .....	331	tables of .....	492
(see Legendre functions)		Weber-Schafheitlin type .....	487
Asymptotic expansions .....	15	Bessel functions $J_\nu(z), Y_\nu(z)$ .....	358, 379, 381, 385
		addition theorems for .....	363