

Index

- Adiga, C. 185
Agarwal, R.P. 118
Alexits, G. 57, 58
Anderson, D.N. 158, 159
Appell's function 47
Artin, M. 187, 198, 216, 224
Arnold, B.C. 158, 159
associative law 189
asymptotic formula 8
autoregressive models 137
Barndorff-Nielsen, O. 69
Berg, C. 130, 159
Berndt, B.C. 186
Bernstein function 130
Bessel function 36
beta, density 18
 function 18
Bhargava, S. 161, 175-186
binary composition 189
binary operation 189
Bondesson, L. 159
Bondesson family 159
Borwein, J.M. 164-166, 169, 173-175, 186
Borwein, P.B. 163, 164, 166, 186
Burden, R.L. 58, 65, 69
c-function 198
Chan, H.H. 166
characteristic function 15
Cheong, Y-H. 57, 69
Chernik, M.R. 150, 159
choice function 198
combinations, number of 2
commutative law 189
commutator 221
complete lattice 192
composable 188
confluent hypergeometric function
 25
conjugation 214
Constantine, A.G. 246, 249
contour integrals 27
Cooper, S. 183, 186
coproduct 205
correlation, linear 24
covariance 24
Cox, D.R. 69
Daley, D.J. 159
density estimation 55
density function 10
density function, marginal 12
 beta, type-1 20
 beta, type-2 21
 Bose-Einstein 30
 conditional 12
 Fermi-Dirac 30
 joint 13
 gamma 17
 Maxwell-Boltzmann 30
density function, uniform 11
Devroye, L. 57, 58, 61, 69, 135, 159
digamma function 7

- Dirichlet, density, type-1 42
 - density, type-2 43
 - function 41
 - integrals 41
- distributions, statistical 10
- Dzherbashyan, M.M. 119
- Elderton, W.P. 56,69
- elliptic function 161
- energy, conservatiomm 126
 - generation 126
 - transportation 126
- endomorphism 194
- Erdélyi, A. 119
- Euler's constant 3
- Euler's transform 77
- factorial 2
- Faires, J.D. 58,65,69
- Fatima, S.N. 183,186
- figure 60,62,63,68,81
- figure order 188
- Forst, G. 130,159
- Fourier transform 15
- Fox, C. 37
- fractional, calculus 71
 - derivatrives 98,111
 - integral, 92
 - Riemann-Liouville 92
 - Weyl integral 98
- free monoid 206
- free product 205
- Fujita, Y. 130,143,144,159
- gamma function 3
- Garvan, F.G. 163,166,169,173, 175,178,186
- Gaver, D.P. 147,150,158,159
- generators 208
- geometric summation
- groups 190
- Györfi, L. 57,69
- Halmos, P.R. 187,224
- Hankel contour 81
- Haubold, H.J. 121,127,128
- Hayakawa, T. 246,248
- H-function 37
- Hermite polynomial 67
- Herstein, I.N. 187,216,224
- Herz, C.S. 246,247
- Hirschhorn, M. 169,173,175,178,186
- Hoffman, K. 224
- homomorphism 194
- hypergeometric series, 24,246
 - confluent 25
 - Gauss' 26
 - Kummer's 25
- incomplete beta function 26
- incomplete gamma function 25
- independence, mutual 14
- independence, statistical 13
- infinite divisibility, 128
 - geometric 129
- injections 201
- isomorphism 194
- Jacobian 22,228
- Jacobi polynomial 67
- Jacobson, N. 200,224
- James, A.T. 246
- Jayakumar, K. 121,134,141,158,160
- Johnson, N.L. 56,69
- Jones, W.B. 57,69
- Jose, K.K. 121
- Karlsson, P.W. 51
- kernel 195
- Klebanov, L.B. 129,130,133,160
- Kotz, S. 69
- Kunze, R. 187,224

- Laguerre polynomial 60,66
 Laha, R.G. 129,160
 Laplace transform 15,78,241
 Lauricella function 47
 Lawrence, A.J. 150,160
 Legendre polynomials 66
 Lewis, P.A.W. 147,150,158-160
 linear groups 191
 linear spaces 187
 Littlejohn, R.P. 150,160
 mass 122
 Mathai, A.M. 1,31,38,39,51,56,62,69,
 127,128,232,242,246,248,250,251
 Mathematica 63
 matrix-variate real beta, 236
 density 238
 matrix-variate real gamma, 236
 density 236
 Meijer's G-function 31
 Mellin-Barnes representation 31
 Mellin-Ross function 73
 Mellin transform 27
 Mittag-Leffler distribution 133
 Mittag-Leffler function 40,71-91
 Mohan, A.R. 130,135,160
 moment generating function 15
 monoid action 210
 M-transform 251
 multiplication formula 5
 Nambooripad, K.S.S. 187
 neutrinos 123
 normal subgroup 194
 orbits 214
 orthogonal polynomials 64
 parameter 11
 Pillai, R.N. 130,133-139,141,158,160
 Pochhammer symbol 1
 poles 28
 Prabhakar, T.R. 120
 product moments 15
 Provost, S.B. 55-57,62,69,246,248
 psi function 7
 q-binomial 163
 Rachev, S.T. 158,160
 Ramanujan, S. 161,164,186
 random variable 10
 Ranga, A.S. 57,69
 Rao, C.R. 58,60
 real part of 4
 references 54,69,118,159
 Reid, N. 56,70
 residues 28
 Robotov's function 73
 Rodiuk, E.M. 56,69
 Rohatgi, V.K. 129,160
 Sandhya, E. 160
 Sansone, G. 57,58,70
 Satheesh, S. 121
 Saxena, R.K. 1,31,38,39,56,69,120
 Seethalekshmi, V. 121
 self-decomposability 131
 semi-direct product 200
 Sen Gupta 158,160
 skew field 215
 skew symmetric product 10
 Smith, P.J. 56,70
 Solomon, H. 56,70
 Srivastava, H.M. 51,120
 stable distribution 132
 stationary time series 137
 Stephens, M.A. 56,70
 Steutel, F.W. 129,160
 subgroup 191
 symmetric group 191
 Szegő, G. 61,70

theta function, 161
 cubic 161
Thomas, Alice 121
transposition 218
Van Harn 132
variance 23
Watson, G.N. 185
wedge product 10
Weyl fractional integral 250
Whittaker function 37,255
Wiman, A. 120
zeta function 7
zonal polynomial 246