

List of Books Available
From
Encyclopaedia of Mathematics and its Applications Series
Cambridge University Press



Compiled
by
Central Library
Indian Institute of Technology Gandhinagar

24. Berthé, V., & Rigo, M. (Eds.). (2016). *Combinatorics, words and symbolic dynamics* (Vol. 159). Cambridge: Cambridge University Press.
511.6 BER 029040
25. Beth, T., Jungnickel, D., & Lenz, H. (1999). *Design theory* (2nd ed) (Vol. 78). Cambridge: Cambridge University Press.
511.6 BET 028966
26. Bichteler, K. (2010). *Stochastic integration with jumps* (Vol. 89). Cambridge: Cambridge University Press.
519.23 BIC 028978
27. Biedenharn, Lawrence C., & Louck, J. D. (1985). *Angular momentum in quantum physics: Theory and application* (Vol. 1). Cambridge: Cambridge University Press.
530.12 BIE 028909
28. Biedenharn, L. C., et. al. (2009). *The Racah-Wigner algebra in quantum theory* (Vol. 9). Cambridge: Cambridge University Press.
530.12 BIE 028910
29. Bingham, N. H., Goldie, C. M., & Teugels, J. L. (2001). *Regular variation* (Vol. 27). Cambridge: Cambridge University Press.
515.8 BIN 028923
30. Björner, A. (1999). *Oriented matroids* (2nd ed.) (Vol. 46). Cambridge: Cambridge University Press.
511.6 BJO 028937
31. Borceux, F., & Borceux, F. (1994). *Handbook of categorical algebra 1: Basic category theory* (Vol. 50). Cambridge University Press.
512.55 BOR 028941
32. Borceux, F., & Borceux, F. (1994). *Handbook of categorical algebra 2: Categories and structures* (Vol. 51). Cambridge: Cambridge University Press.
512.55 BOR 028942
33. Borceux, F., & Borceux, F. (1994). *Handbook of categorical algebra 3: Categories of sheaves* (Vol. 52). Cambridge: Cambridge University Press.
512.55 BOR 028943
34. Borovkov, A. A., & Borovkov, K. A. (2008). *Asymptotic analysis of random walks: Heavy-tailed distributions* (Vol. 118). Cambridge: Cambridge University Press.
519.282 BOR 029005
35. Borwein, J. M. (2013). *Lattice sums then and now* (Vol. 150). Cambridge University Press.
511.33 BOR 029032

36. Borwein, J. M., & Vanderwerff, J. D. (2010). *Convex functions: Constructions, characterizations and counterexamples* (Vol. 109). Cambridge: Cambridge University Press.
515.8 BOR 028996
37. Broughan, K. A. (2017). *Equivalents of the Riemann hypothesis: Arithmetic equivalents* (Vol. 164). Cambridge University Press.
512.7 BRO 029045
38. Broughan, K. A., & Broughan, K. (2017). *Equivalents of the Riemann Hypothesis: Analytic equivalents* (Vol. 165). Cambridge University Press.
512.7 BRO 029046
39. Brualdi, R. A. (2006). *Combinatorial matrix classes* (Vol. 108). Cambridge: Cambridge University Press.
512.9434 BRU 028995
40. Brualdi, R. A., & Ryser, H. J. (1991). *Combinatorial matrix theory* (Vol. 39). Cambridge: Cambridge University Press.
512.9434 BRU 021476
41. Bulacu, D., Caenepeel, S., Panaite, F., & Oystaeyen, F. V. (2019). *Quasi-Hopf algebras: A categorical approach* (Vol. 171). Cambridge University Press.
512.55 BUL 029052
42. Cabrera García, M., & Rodríguez Palacios, Á. (2014). *Non-associative normed algebras: Representation theory and the Zel'manov approach* (Vol. 167). Cambridge: Cambridge University Press.
512.554 GAR 029048
43. Cabrera García, M., & Rodríguez Palacios, Á. (2014). *Non-associative normed algebras: The Vidav-Palmer and Gelfand-Naimark theorems* (Vol. 154). Cambridge: Cambridge University Press.
512.554 GAR 029035
44. Calin, O., & Chang, D. E. (2009). *Sub-Riemannian geometry: General theory and examples* (Vol. 126). New York: Cambridge University Press.
516.373 CAL 029010
45. Cannon, J. R. (1984). *The one-dimensional heat equation* (Vol. 23). Cambridge: Cambridge University Press.
515.353 CAN 028920
46. Caspard, N., Leclerc, B., & Monjardet, B. (2012). *Finite ordered sets: Concepts, results and uses* (Vol. 144). Cambridge: Cambridge University Press.
511.32 CAS 029027

47. Cohn, P. M. (1995). *Skew fields: Theory of general division rings* (Vol. 57). Cambridge: Cambridge University Press.
512.3 COH 028948
48. Courcelle, B., & Engelfriet, J. (2012). *Graph structure and monadic second-order logic: A language-theoretic approach* (Vol. 138). Cambridge: Cambridge University Press.
511.3 COU 029022
49. Crama, Y., & Hammer, P. L. (Eds.). (2010). *Boolean models and methods in mathematics, computer science, and engineering* (Vol. 134). Cambridge: Cambridge University Press.
511.324 CRA 029018
50. Crama, Y., & Hammer, P. L. (2011). *Boolean functions: Theory, algorithms, and applications* (Vol. 142). New York: Cambridge University Press.
511.324 CRA 029026
51. Curtis, R. (2007). *Symmetric generation of groups: With applications to many of the sporadic finite simple groups* (Vol. 111). Cambridge: Cambridge University Press.
512.2 CUR 028998
52. Cvetković, D. M., Rowlinson, P., & Simić, S. (2009). *Eigenspaces of graphs* (Vol. 66). Cambridge: Cambridge University Press.
511.5 CVE 028957
53. Dassios, G. (2012). *Ellipsoidal harmonics: Theory and applications* (Vol.146). Cambridge: Cambridge University Press.
515.53 DAS 029028
54. Deza, M., & Dutour Sikirić, M. (2008). *Geometry of chemical graphs: Polycycles and two-faced maps* (Vol. 119). Cambridge: Cambridge University Press.
541.220151 DEZ 029006
55. Dollard, J. D., & Friedman, C. N. (1984). *Product integration: with application to differential equations* (Vol. 10) Cambridge: Cambridge University Press.
515.35 DOL 028911
56. Dunkl, C. F., & Xu, Y. (2014). *Orthogonal polynomials of several variables* (2nd ed.) (Vol. 155). Cambridge: Cambridge University Press.
515.55 DUN 029036
57. Edgar, G. A., & Sucheston, L. (2010). *Stopping times and directed processes* (Vol. 47). Cambridge: Cambridge University Press.
519.26 EDG 028938
58. Engel, K. (1997). *Sperner theory* (Vol.65). Cambridge: Cambridge University Press.

- 511.32 ENG 028956
59. Faticoni, T. G. (2010). *Modules over endomorphism rings* (Vol. 130). Cambridge: Cambridge University Press.
512.4 FAT 029014
60. Fattorini, H. O. (2010). *Infinite dimensional optimization and control theory* (Vol. 62). Cambridge: Cambridge University Press.
519.3 FAT 028953
61. Fattorini, Hector O. (1983). *The Cauchy problem* (Vol. 18). Cambridge: Cambridge University Press.
515.353 FAT 028916
62. Fiedler, M. (2011). *Matrices and Graphs in Geometry* (Vol. 139). Cambridge: Cambridge University Press.
516 FIE 029023
63. Finch, S. R. (2003). *Mathematical constants I* (Vol.94). Cambridge: Cambridge University Press.
513 FIN 028983
64. Finch, S. R. (2003). *Mathematical constants II* (Vol. 169). Cambridge: Cambridge University Press.
513 FIN 029050
65. Foiaş, C. (2008). *Navier-Stokes equations and turbulence* (Vol. 83). Cambridge: Cambridge University Press.
532.0527 FOI 028971
66. Gardner, R. J. (2006). *Geometric tomography* (2nd ed) (Vol. 58). Cambridge: Cambridge University Press.
516.362 GAR 028949
67. Gasper, G., & Rahman, M. (2004). *Basic hypergeometric series* (2nd ed) (Vol. 96). Cambridge: Cambridge University Press.
515.243 GAS 028985
68. Ghergu, M., & Taliaferro, S. D. (2016). *Isolated singularities in partial differential inequalities* (Vol. 161). Cambridge University Press.
515.3 GHE 029042
69. Gierz, G. (Ed.). (2003). *Continuous lattices and domains* (Vol. 93). Cambridge: Cambridge University Press.
511.3 GIE 028982

70. Glowinski, R., Lions, J.-L., & He, J. (2008). *Exact and approximate controllability for distributed parameter systems: A numerical approach* (Vol. 117). Cambridge: Cambridge University Press.
515.642 GLO 029004
71. Grabisch, M. (Ed.). (2009). *Aggregation functions* (Vol. 127). Cambridge: Cambridge University Press.
512 GRA 029011
72. Gripenberg, G., Londen, S.O., & Staffans, O. J. (1990). *Volterra integral and functional equations* (Vol. 34). Cambridge: Cambridge University Press.
515.45 GRI 028930
73. Groemer, H. (2009). *Geometric applications of fourier series and spherical harmonics* (Vol. 61). Cambridge: Cambridge University Press.
515.2433 GRO 028952
74. Hodges, W. (2008). *Model theory* (Vol. 42). Cambridge: Cambridge University Press.
511.3 HOD 028935
75. Hofmann, D., Seal, G. J., & Tholen, W. (Eds.). (2014). *Monoidal topology: A categorical approach to order, metric and topology* (Vol. 153). Cambridge University Press.
514.32 HOF 029034
76. Ismail, M., & Assche, W. (2009). *Classical and quantum orthogonal polynomials in one variable* (Vol. 98). Cambridge: Cambridge University Press.
515.55 ISM 028987
77. Ivanov, A. A. (1999). *Geometry of sporadic groups: Petersen and tilde geometries* (Vol. 76). Cambridge: Cambridge University Press.
512.2 IVA 028964
78. Ivanov, A. A., & Shpectorov, S. V. (2002). *Geometry of sporadic groups: Representations and amalgams* (Vol. 91). Cambridge: Cambridge University Press.
512.2 IVA 028980
79. Jabri, Y. (2011). *The mountain pass theorem: variants, generalizations and some applications* (Vol. 95). Cambridge: Cambridge University Press.
515.64 JAB 028984
80. James, G. D., & Kerber, A. (1985). *The representation theory of the symmetric group* (Vol. 16). Cambridge: Cambridge University Press.
512.2 JAM 028915

93. Lai, M. J., & Schumaker, L. L. (2007). *Spline functions on triangulations* (Vol. 110). Cambridge: Cambridge University Press.
511.422 LAI 028997
94. Lasiecka, I., & Triggiani, R. (2000). *Control theory for partial differential equations: Abstract parabolic systems* (Vol. 74). Cambridge: Cambridge University Press.
515.353 LAS 028962
95. Lasiecka, I., & Triggiani, R. (2010). *Control theory for partial differential equations: Continuous and approximation theories* (Vol. 75). Cambridge: Cambridge University Press.
515.353 LAS 028963
96. Lewis, J. M., Lakshmivarahan, S., & Dhall, S. K. (2006). *Dynamic data assimilation: A least squares approach* (Vol. 104). Cambridge: Cambridge University Press.
511.8 LEW 028991
97. Lidl, R., Niederreiter, H., & Cohn, P. M. (1997). *Finite fields* (Vol. 20). Cambridge: Cambridge University Press.
512.3 LID 028918
98. Lorentz, G. G., Jetter, K., & Riemenschneider, S. D. (1984). *Birkhoff interpolation* (Vol. 19). Cambridge: Cambridge University Press.
511.4 LOR 028917
99. Lothaire, M. (2002). *Algebraic combinatorics on words* (Vol. 90). Cambridge: Cambridge University Press.
511.6 LOT 028979
100. Lothaire, M. (2005). *Applied combinatorics on words* (Vol. 105). Cambridge: Cambridge University Press.
511.6 LOT 028992
101. Magurn, B. A. (2009). *An algebraic introduction to K-theory* (Vol. 87). Cambridge: Cambridge University Press.
512.55 MAN 028976
102. Markoe, A. (2006). *Analytic tomography* (Vol. 106). New York: Cambridge University Press.
515.723 MAR 028993
103. Martin, N. F. G., & England, J. W. (2010). *Mathematical theory of entropy* (Vol. 12). Cambridge: Cambridge University Press.
519.2 MAR 028913
104. Martin, P. A. (2006). *Multiple scattering: Interaction of time-harmonic waves with N obstacles* (Vol. 107). Cambridge: Cambridge University Press.
530.416 MAR 028994

105. Mayberry, J. P. (2000). *The foundations of mathematics in the theory of sets* (Vol. 82). Cambridge: Cambridge University Press.
511.3 MAY 028970
106. McEliece, R. J. (2002). *The theory of information and coding* (2nd ed) (Vol. 86.) Cambridge: Cambridge University Press.
003.54 MCE 028974
107. McEliece, R. J. (2004). *The theory of information and coding* (Vol. 86). Cambridge: Cambridge University Press.
003.54 MCE 028975
108. McMullen, P., & Schulte, E. (2002). *Abstract regular polytopes* (Vol. 92). New York: Cambridge University Press.
516.3 MCM 028981
109. Miller, W., (1984). *Symmetry and separation of variables* (Vol. 4). Cambridge: Cambridge University Press.
530.1555 MIL 028906
110. Minc, H., & Marcus, M. (1984). *Permanents* (Vol. 6). Cambridge: Cambridge University Press.
512.943 MIN 028907
111. Molica Bisci, G., Rădulescu, V. D., & Servadei, R. (2016). *Variational methods for nonlocal fractional problems* (Vol. 162). Cambridge: Cambridge University Press.
515.83 BIS 029043
112. Mora, T. (2003). *Solving polynomial equation systems I: the Kronecker-Duval philosophy* (Vol. 88). Cambridge: Cambridge University Press.
512.94 MOR 028977
113. Mora, T. (2005). *Solving polynomial equation systems II: Macaulay's paradigm and Gröbner technology* (Vol. 99). Cambridge: Cambridge University Press.
512.94 MOR 028988
114. Mora, T. (2003). *Solving polynomial equation systems III: algebraic solving* (Vol. 157). Cambridge: Cambridge University Press.
512.94 MOR 029038
115. Mora, T. (2003). *Solving polynomial equation systems IV: Buchberger theory and beyond* (Vol. 158). Cambridge: Cambridge University Press.
512.9422 MOR 029039

116. Morimoto, H. (2010). *Stochastic control and mathematical modeling: Applications in economics* (Vol. 131). Cambridge: Cambridge University Press. 629.8312 MOR
029015
117. Nagamochi, H., & Ibaraki, T. (2019). *Algorithmic aspects of graph connectivity* (Vol. 123). Cambridge: Cambridge University Press.
511.5 NAG 029009
118. Neumaier, A. (1990). *Interval methods for systems of equations*. (Vol. 37). Cambridge: Cambridge University Press.
519.4 NEU 003007
119. Nishiura, T. (2008). *Absolute measurable spaces* (Vol. 120). Cambridge: Cambridge University Press.
514.3 NIS 029007
120. Pietsch, A. & Wenzel, Jörg. (1998). *Orthonormal systems and Banach space geometry* (Vol. 70). Cambridge: Cambridge University Press.
515.732 PIE 028959
121. Palmer, T. W. (2001). *Banach Algebras and the General Theory of *-Algebras* (Vol. 49). Cambridge: Cambridge University Press.
512.55 PAL 028940
122. Palmer, T. W. (2001). *Banach Algebras and the General Theory of *-Algebras* (Vol. 79). Cambridge: Cambridge University Press.
512.55 PAL 028967
123. Palmer, T. W. (2009). *Banach algebras and the general theory of *-Algebras* (Vol. 79). Cambridge: Cambridge University Press.
512.55 PAL 028968
124. Paris, R. B. (2011). *Hadamard Expansions and Hyperasymptotic Evaluation: An Extension of the Method of Steepest Descents* (Vol. 141). Cambridge: Cambridge University Press.
515.45 PAR 029025
125. Paris, R. B., & Kaminski, D. (2001). *Asymptotics and Mellin-Barnes integrals* (Vol. 85). Cambridge: Cambridge University Press.
515.723 PAR 028973
126. Pedicchio, M. C. (Ed.). (2004). *Categorical foundations: Special topics in order, topology, algebra, and sheaf theory* (Vol. 97). New York: Cambridge University Press.
511.3 PED 028986
127. Peszat, S., & Zabczyk, J. (2007). *Stochastic partial differential equations with Lévy noise: An evolution equation approach* (Vol. 113). Cambridge: Cambridge University Press.

515.353 PES 029000

128. Pohst, M. E., Zassenhaus, H. J., & Cambridge University Press. (1989). *Algorithmic algebraic number theory* (Vol. 30). Cambridge: Cambridge University Press.

512.74 POH 028926

129. Polster, B., & Steinke, G. (2001). *Geometries on surfaces* (Vol. 84). Cambridge: Cambridge University Press.

516.5 POL 028972

130. Prest, M. (2009). *Purity, spectra and localisation* (Vol. 121). Cambridge: Cambridge University Press.

511.3 PRE 029008

131. Petrushev, P. P. & Popov, V. A. (1987). *Rational approximation of real functions* (Vol. 28). Cambridge: Cambridge University Press.

515.8 PET 028924

132. Roberts, F. S. (1985). *Measurement theory: With applications to decisionmaking, utility and the social sciences* (Vol. 7). Cambridge: Cambridge University Press.

300.287 ROB 028908

133. Rubin, B. (2015). *Introduction to radon transforms: With elements of fractional calculus and harmonic analysis* (Vol. 160). Cambridge: Cambridge University Press.

515.723 RUB 029041

134. Sačkov, V. N. (1996). *Combinatorial methods in discrete mathematics* (Vol. 55). Cambridge: Cambridge University Press.

511.6 SAC 028946

135. Sačkov, V. N. (2010). *Probabilistic methods in combinatorial analysis* (Vol. 56). Cambridge: Cambridge University Press.

519.2 SAC 028947

136. Sakai, S. (2008). *Operator algebras in dynamical systems* (Vol. 41). Cambridge: Cambridge University Press.

512.55 SAK 028934

137. Salomaa, A. (1985). *Computation and automata* (Vol. 25). Cambridge: Cambridge University Press.

511 SAL 028921

138. Salzmann, H. (Ed.). (2007). *Classical fields: Structural features of the real and rational numbers* (Vol. 112). Cambridge: Cambridge University Press.

512.74 SAL 028999

139. Schinzel, A. (2000). *Polynomials with special regard to reducibility* (Vol. 77). Cambridge: Cambridge University Press.
512.942 SCI 028965
140. Schmidt, G. (2011). *Relational mathematics* (Vol. 132). Cambridge: Cambridge University Press.
510 SCH 029016
141. Schneider, R. (2014). *Convex bodies: The Brunn-Minkowski theory* (2nd ed.) (Vol. 151). Cambridge: Cambridge University Press.
516.374 SCH 029033
142. Sims, C. C. (2010). *Computation with finitely presented groups* (Vol. 48). Cambridge: Cambridge University Press.
512.2 SIM 028939
143. Staffans, O. J. (2005). *Well-posed linear systems* (Vol. 103). Cambridge: Cambridge University Press.
003.74 STA 028990
144. Stahl, H., & Totik, V. (1992). *General orthogonal polynomials* (Vol. 43). Cambridge: Cambridge University Press.
515.55 STA 028936
145. Stern, M. (2009). *Semimodular lattices: Theory and applications* (Vol. 73). Cambridge: Cambridge University Press.
511.33 STE 028961
146. Stormark, O. (2012). *Lie's structural approach to PDE systems* (Vol. 80). Cambridge: Cambridge University Press.
515.353 STO 028969
147. Thompson, A. C. (1996). *Minkowski geometry* (Vol. 63). Cambridge: Cambridge University Press.
516.374 THO 028954
148. Ticciati, R. (2008). *Quantum field theory for mathematicians* (Vol. 72). Cambridge: Cambridge University Press.
530.143 TIC 028960
149. Tomkowicz, G., & Wagon, S. (2019). *The Banach-Tarski paradox* (Vol. 163). Cambridge: Cambridge University Press.
511.3 TOM 029044
150. Torgersen, E. N. (2009). *Comparison of statistical experiments* (Vol. 36). Cambridge: Cambridge University Press.

519.542 TOR

028931

151. Vakil, N. (2011). *Real analysis through modern infinitesimals* (Vol. 140). Cambridge: Cambridge University Press.

515 VAK

029024

152. White, N. (2008). *Theory of matroids* (Vol. 26). Cambridge: Cambridge University Press.

511.6 WHI

028922

153. White, N. (Ed.). (2009). *Combinatorial geometries* (Vol. 29). Cambridge: Cambridge University Press.

516.13 WHI

028925

154. White, N. (2009). *Matroid applications* (Vol. 40). Cambridge: Cambridge University Press.

511.6 WHI

028933

Updated on: 12.04.2020