1 Introduction

Warning this list may not be entirely accurate and may contain errors. Titles may be incomplete, missing subtitles, or other problems, but be careful as their are a few books with similar titles. Authors should be correct, but I may have made a mistake. ISBNs should be correct, but might be mistaken for a similar titled book or the softcover edition or it is possible there was a new edition release.

2 Graduate Texts in Mathematics

1. ~~[244]*Introduction to Axiomatic Set Theory*~~
2. ~~[199]*Measure and Category*~~
3. ~~[225]*Topological Vector Spaces*~~
4. [116]*A Course in Homological Algebra*
5. [154]*Categories for the Working Mathematician*
6. [121]*Projective Planes*
7. [229]*A Course in Arithmetic*
8. [243]*Axiomatic Set Theory*
9. [122]*Introduction to Lie Algebras and Representation Theory*
10. [50]*A Course in Simple-Homotopy Theory*
11. [52]*Functions of One Complex Variable I*
12. [16]*Advanced Mathematical Analysis*
13. [7]*Rings and Categories of Modules*
14. [93]*Stable Mappings and Their Singularities*
15. [21]*Lectures in Functional Analysis and Operator Theory*
16. [260]*The Structure of Fields*
17. ~~[219]*Random Processes*~~
18. [106]*Measure Theory*
19. [104]*A Hilbert Space Problem Book*
20. [126]*Fibre Bundles*
21. [124]*Linear Algebraic Groups*

22. [15]*An Algebraic Introduction to Mathematical Logic*
23. ~~[98]*Linear Algebra*~~
24. [120]*Geometric Functional Analysis and Its Applications*
25. [115]*Real and Abstract Analysis*
26. [177]*Algebraic Theories*
27. [142]*General Topology*
28. [262]*Commutative Algebra I*
29. [261]*Commutative Algebra II*
30. [129]*Lectures in Abstract Algebra I: Basic Concepts*
31. [130]*Lectures in Abstract Algebra II: Linear Algebra*
32. [131]*Lectures in Abstract Algebra III: Theory of Fields and Galois Theory*
33. [119]*Differential Topology*
34. [237]*Principles of Random Walk*
35. [5]*Several Complex Variables and Banach Algebras*
36. [143]*Linear Topological Spaces*
37. [188]*Mathematical Logic*
38. [97]*Several Complex Variables*
39. [11]*An Invitation to C^*-Algebras*
40. [147]*Denumerable Markov Chains*
41. [8]*Modular Functions and Dirichlet Series in Number Theory*
42. [231]*Linear Representations of Finite Groups*
43. [89]*Rings of Continuous Functions*
44. [146]*Elementary Algebraic Geometry*
45. [173]*Probability Theory I*
46. [174]*Probability Theory II*
47. [187]*Geometric Topology in Dimensions 2 and 3*
48. [223]*General Relativity for Mathematicians*
49. [135]*Linear Geometry*

50. [68] *Fermat's Last Theorem: A Genetic Introduction to Algebraic Number Theory*
51. [259] *A Course in Differential Geometry*
52. [109] *Algebraic Geometry*
53. [178] *A Course in Mathematical Logic for Mathematicians*
54. [255] *Combinatorics with Emphasis on the Theory of Graphs*
55. [38] *Introduction to Operator Theory I: Elements of Functional Analysis*
56. [181] *Algebraic Topology: An Introduction*
57. [55] *Introduction to Knot Theory*
58. [149] *p-adic Numbers, p-adic Analysis, and Zeta-Functions*
59. [158] *Cyclotomic Fields*
60. [9] *Mathematical Methods of Classical Mechanics*
61. [258] *Elements of Homotopy Theory*
62. [138] *Fundamentals of the Theory of Groups*
63. ~~[26] *Graph Theory: An Introductory Course*~~
64. [70] *Fourier Series I*
65. [257] *Differential Analysis on Complex Manifolds*
66. [254] *Introduction to Affine Group Schemes*
67. [132] *Local Fields*
68. [256] *Linear Operators on Hilbert Spaces*
69. [159] *Cyclotomic Fields II*
70. [183] *Singular Homology Theory*
71. [80] *Riemann Surfaces*
72. [240] *Classical Topology and Combinatorial Group Theory*
73. [125] *Algebra*
74. [56] *Multiplicative Number Theory*
75. [105] *Basic Theory of Algebraic Groups and Lie Algebras*
76. [88] *Algebraic Geometry*
77. [112] *Lectures on the Theory of Algebraic Numbers*

78. [41]*A Course in Universal Algebra*
79. [111]*An Introduction to Ergodic Theory*
80. [213]*A Course in the Theory of Groups*
81. [82]*Lectures on Riemann Surfaces*
82. [246]*Differential Forms in Algebraic Topology*
83. [253]*Introduction to Cyclotomic Fields*
84. [128]*A Classical Introduction to Modern Number Theory*
85. [71]*Fourier Series A Modern Introduction*
86. [172]*Introduction to Coding Theory*
87. [39]*Cohomology of Groups*
88. [204]*Associative Algebras*
89. [163]*Introduction to Algebraic and Abelian Functions*
90. [36]*An Introduction to Convex Polytopes*
91. [18]*The Geometry of Discrete Groups*
92. [58]*Sequences and Series in Banach Spaces*
93. [66]*Modern Geometry - Methods and Applications I*
94. [252]*Foundations of Differentiable Manifolds and Lie Groups*
95. [233]*Probability*
96. [51]*A Course in Functional Analysis*
97. [150]*Introduction to Elliptic Curves and Modular Forms*
98. [35]*Representations of Compact Lie Groups*
99. [20]*Finite Reflection Groups*
100. [23]*Harmonic Analysis on Semigroups*
101. [69]*Galois Theory*
102. [247]*Lie Groups, Lie Algebras, and Their Representations*
103. [157]*Complex Analysis*
104. [65]*Modern Geometry - Methods and Applications II*
105. [165]$SL_2(R)$

106. [236] *The Arithmetic of Elliptic Curves*
107. [197] *Applications of Lie Groups to Differential Equations*
108. [206] *Holomorphic Functions and Integral Representations in Several Complex Variables*
109. [170] *Univalent Functions and Teichmüller Spaces*
110. [156] *Algebraic Number Theory*
111. [127] *Elliptic Curves*
112. [161] *Elliptic Functions*
113. [137] *Brownian Motion and Stochastic Calculus*
114. [148] *A Course in Number Theory and Cryptography*
115. [24] *Differential Geometry*
116. [144] *Measure and Integral I*
117. [230] *Algebraic Groups and Class Fields*
118. [201] *Analysis Now*
119. [220] *An Introduction to Algebraic Topology*
120. [266] *Weakly Differentiable Functions*
121. [166] *Cyclotomic Fields I-II*
122. [210] *Theory of Complex Functions*
123. [67] *Numbers*
124. [64] *Modern Geometry - Methods and Applications III*
125. [22] *Complex Variables*
126. [123] *Linear Algebraic Groups*
127. [182] *A Basic Course in Algebraic Topology*
128. [208] *Partial Differential Equations*
129. [85] *Representation Theory*
130. [61] *Tensor Geometry*
131. [152] *A First Course in Noncommutative Rings*
132. [17] *Iteration of Rational Functions: Complex Analytic Dynamical Systems*
133. [107] *Algebraic Geometry*

134. [215] *Coding and Information Theory*
135. ~~[214] *Advanced Linear Algebra*~~
136. [2] *Algebra*
137. [13] *Harmonic Function Theory*
138. [46] *A Course in Computational Algebraic Number Theory*
139. [31] *Topology and Geometry*
140. [12] *Optima and Equilibria*
141. [19] *Gröbner Bases*
142. [164] *Real and Functional Analysis*
143. [62] *Measure Theory*
144. [79] *Noncommutative Algebra*
145. [248] *Homology Theory*
146. [33] *Computability*
147. [218] *Algebraic K-Theory and Its Applications*
148. [221] *An Introduction to the Theory of Groups*
149. [207] *Foundations of Hyperbolic Manifolds*
150. [72] *Commutative Algebra: with a View Toward Algebraic Geometry*
151. [234] *Advanced Topics in the Arithmetic of Elliptic Curves*
152. [265] *Lectures on Polytopes*
153. [84] *Algebraic Topology*
154. [37] *An Introduction to Analysis*
155. [139] *Quantum Groups*
156. [141] *Classical Descriptive Set Theory*
157. [176] *Integration and Probability*
158. [216] *Field Theory*
159. [53] *Functions of One Complex Variable II*
160. [160] *Differential and Riemannian Manifolds*
161. [29] *Polynomials and Polynomial Inequalities*

162. ~~[6] *Groups and Representations*~~
163. [60] *Permutation Groups*
164. [193] *Additive number Theory*
165. [192] *Additive Number Theory: Inverse Problems and the Geometry of Sumsets*
166. [232] *Differential Geometry*
167. [189] *Field and Galois Theory*
168. [78] *Combinatorial Convexity and Algebraic Geometry*
169. [25] *Matrix Analysis*
170. [30] *Sheaf Theory*
171. [203] *Riemannian Geometry*
172. [211] *Classical Topics in Complex Function Theory*
173. [59] *Graph Theory*
174. [34] *Foundations of Real and Abstract Analysis*
175. [171] *An Introduction to Knot Theory*
176. [169] *Riemannian Manifolds*
177. [196] *Analytic Number Theory*
178. [45] *Nonsmooth Analysis and Control Theory*
179. [63] *Banach Algebra Techniques in Operator Theory*
180. [238] *A Course on Borel Sets*
181. [151] *Numerical Analysis*
182. [251] *Ordinary Differential Equations*
183. [185] *An Introduction to Banach Space Theory*
184. [27] *Modern Graph Theory*
185. [54] *Using Algebraic Geometry*
186. [205] *Fourier Analysis on Number Fields*
187. [108] *Moduli of Curves*
188. [91] *Lectures on the Hyperreals*
189. [153] *Lectures on Modules and Rings*

190. [191]*Problems in Algebraic Number Theory*
191. [162]*Fundamentals of Differential Geometry*
192. [118]*Elements of Functional Analysis*
193. [47]*Advanced Topics in Computational Number Theory*
194. [75]*One-Parameter Semigroups for Linear Evolution Equations*
195. [194]*Elementary Methods in Number Theory*
196. [198]*Basic Homological Algebra*
197. [74]*The Geometry of Schemes*
198. [212]*A Course in p-adic Analysis*
199. [113]*Theory of Bergman Spaces*
200. [14]*An Introduction to Riemann-Finsler Geometry*
201. [117]*Diophantine Geometry*
202. [167]*Introduction to Topological Manifolds*
203. [224]*The Symmetric Group*
204. [76]*Galois Theory*
205. [81]*Rational Homotopy Theory*
206. [190]*Problems in Analytic Number Theory*
207. [222]*Algebraic Graph Theory*
208. [42]*Analysis for Applied Mathematics*
209. [10]*A Short Course on Spectral Theory*
210. [217]*Number Theory in Function Fields*
211. [155]*Algebra*
212. [184]*Lectures on Discrete Geometry*
213. [83]*From Holomorphic Functions to Complex Manifolds*
214. ~~[134]*Partial Differential Equations*~~
215. [92]*Projective Curves*
216. [228]*Matrices*
217. [179]*Model Theory: An Introduction*

218. [168] *Introduction to Smooth Manifolds*
219. [209] *The Arithmetic of Hyperbolic 3-Manifolds*
220. [195] *Smooth Manifolds and Observables*
221. [101] *Convex Polytopes*
222. [103] *Lie Groups, Lie Algebras, and Representations*
223. [249] *Fourier Analysis and its Applications*
224. [250] *Metric Structures in Differential Geometry*
225. [40] *Lie Groups*
226. [264] *Spaces of Holomorphic Functions in the Unit Ball*
227. [186] *Combinatorial Commutative Algebra*
228. [57] *A First Course in Modular Forms*
229. [73] *The Geometry of Syzygies*
230. [241] *An Introduction to Markov Processes*
231. [32] *Combinatorics of Coxeter Groups*
232. [77] *An Introduction to Number Theory*
233. [4] *Topics in Banach Space Theory*
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235. [227] *Compact Lie Groups*
236. [86] *Bounded Analytic Functions*
237. [180] *An Introduction to Operators on the Hardy-Hilbert Space*
238. [3] *A Course in Enumeration*
239. [48] *Number Theory I*
240. [49] *Number Theory II*
241. [235] *The Arithmetic of Dynamical Systems*
242. [99] *Abstract Algebra*
243. [87] *Topological Methods in Group Theory*
244. ~~[28] *Graph Theory*~~
245. [90] *Complex Analysis: Introduced in the Spirit of Lipman Bers*

246. [136] *A Course in Commutative Banach Algebras*

247. [140] *Braid Groups*

248. [1] *Buildings Theory and Applications*

249. [95] *Classical Fourier Analysis*

250. [96] *Modern Fourier Analysis*

251. [200] *The Finite Simple Groups*

252. [100] *Distributions and Operators*

253. [175] *Elementary Functional Analysis*

254. [239] *Algebraic Function Fields and Codes*

255. [94] *Symmetry, Representations, and Invariants*

256. [145] *A Course in Commutative Algebra*

257. [110] *Deformation Theory*

258. [102] *Foundations of Optimization in Finite Dimensions*

259. [245] *Ergodic Theory*

260. [114] *Monomial Ideals*

261. [43] *Probability and Stochastics*

262. [242] *Essentials of Analysis*

263. [263] *Analysis on Fock Spaces*

264. [44] *Functional Analysis Calculus of Variations and Optimal Control*

265. [226] *Unbounded Self-adjoint Operators on Hilbert Space*

266. ~~[202] *Calculus Without Derivatives*~~

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