

AMS Translations of Mathematical Monographs 1962-2014

No.	title	eISBN
1	Some questions in the theory of moments	9781470444235
2	Semigroups	9781470444242
3	The dispersion method in binary additive problems	9781470444259
4	Distribution of zeros of entire functions	9781470444266
5	Harmonic analysis of functions of several complex variables in the classical domains	9781470444273
6	Applications of functional analysis in mathematical physics	9781470446659
7	Introduction to the theory Theory of analytic functions of several complex variables	9781470444280
8	Soluble and nilpotent linear groups	9781470444297
9	The theory of irrationalities of the third degree	9781470444303
10	Probabilistic methods in the theory of numbers	9781470444310
11	Qualitative methods in mathematical analysis	9781470444327
12	Additive theory of prime numbers	9781470416218
13	Special chapters in the theory of analytic functions of several complex variables	9781470444334
14	Intrinsic geometry of surfaces	9780821832769
15	The topology of function spaces and the calculus of variations in the large	9781470444341
16	Expansions in eigenfunctions of selfadjoint operators	9781470444358
17	Introduction to the theory of linear nonselfadjoint operators in	9781470444365
18	The operator of translation along the trajectories of differential equations	9781470444372
19	Statistical problems with nuisance parameters	9781470444389
20	Constructive real numbers and constructive function spaces	9780821832660
21	Special functions and the theory of group representations	9781470444396
22	Linear and quasi-linear equations of parabolic type	9781470444402
23	Theory and applications of Volterra operators in Hilbert space	9781470444419
24	Mahler's problem in metric number theory	9781470444426
25	Geometric theory of functions of a complex variable	9781470444433

No.	title	eISBN
26	The Stefan problem	9781470444440
27	The functional method and its applications	9781470444457
28	Linear differential equations in Banach space	9781470416287
29	Differential equations of the second order with retarded argument	9781470444464
30	Triangular and Jordan representations of linear operators	9781470444471
31	Dynamics of nonholonomic systems	9781470444488
32	Operators, oscillations, waves (open systems)	9781470444495
33	Extrinsic geometry of convex surfaces	9781470444501
34	Theory of convex programming	9781470444518
35	Foundations of a structural theory of set addition	9781470444525
36	Statistical sequential analysis; ; optimal stopping rules	9781470444532
37	Introduction to spectral theory : selfadjoint ordinary differential operators	9781470444549
38	Compact Lie groups and their representations	9781470444556
39	Convolution equations and projection methods for their solution	9781470444563
40	Direct and inverse imbedding theorems	9781470444570
41	Stability of solutions of differential equations in Banach space	9781470444587
42	Introduction to the theory of entire functions of several variables	9781470444594
43	Matrix groups	9781470444600
44	Projection-iterative methods for solution of operator equations	9781470444617
45	Stochastic approximation and recursive estimation	9781470444624
46	Decomposition of random variables and vectors	9781470444631
47	Univalent functions and orthonormal systems : [translated from the Russian by Israel Program for Scientific Translations ; translation edited by P L Duren	9781470444648
48	The Markov moment problem and extremal problems : ideas and problems of P L {caron}Ceby{caron}sev and A A Markov and their further development	9781470444655
49	Equations of mixed type	9781470434632
50	Boundary value problems for elliptic pseudodifferential equations	9781470444662
51	Statistical decision rules and optimal inference	9781470444679
52	Interpolation of linear operators	9781470444686

No.	title	eISBN
53	Systems of quasilinear equations and their applications to gas dynamics	9781470444693
54	Differential forms orthogonal to holomorphic functions or forms, and their properties	9781470444709
55	Boundary-value problems with free boundaries for elliptic systems of equations	9781470444716
56	Drink temperance and the working class in nineteenth-century Germany Integral representations and residues in multidimensional complex analysis	9781470444723
57	Integral representation and the computation of combinatorial sums	9781470444730
58	Lectures on constructive mathematical analysis	9781470444747
59	Distribution of values of holomorphic mappings	9781470444754
60	Kleinian groups and uniformization in examples and problems	9781470444761
61	Selfadjoint operators in spaces of functions of infinitely many variables	9781470444778
62	Ill-posed problems of mathematical physics and analysis	9781470444785
63	One-dimensional stable distributions	9781470444792
64	Theory of limit cycles	9781470444808
65	Mathematical intuitionism : introduction to proof theory	9781470444815
66	Introduction to analytic number theory	9781470444822
67	Lattices with unique complements	9781470444839
68	Lectures on integral transforms	9781470444846
69	Introduction to the spectral theory of polynomial operator pencils	9781470444853
70	Bendings of surfaces and stability of shells	9781470444860
71	Space mappings with bounded distortion	9781470444877
72	The linearization method in hydrodynamical stability theory	9781470444884
73	Orthogonal series	9781470444891
74	Introduction to algebraic curves	9781470444907
75	Variational principles for nonpotential operators	9781470444914
76	Asymptotic methods in the theory of stochastic differential equations	9781470444921
77	Elements of the theory of elliptic functions	9781470444938
78	Geometric function theory in several complex variables	9781470444945
79	Linear differential equations in the complex domain : problems of analytic continuation Mathematical problems of tomography	9781470446666
80	Linear differential equations in the complex domain : problems of analytic continuation	9781470444952
81	Generalized diffusion processes	9781470444969

No.	title	eISBN
82	Minimal surfaces, stratified multivarifolds, and the Plateau problem	9781470444976
83	Lie groups I	9781470447939
84	Rearrangements of series in Banach spaces	9781470444983
85	Ideals of identities of associative algebras	9781470444990
86	Fewnomials	9781470445003
87	Billiards : a genetic introduction to the dynamics of systems with impacts	9781470445010
88	Some applications of functional analysis in mathematical physics. 3rd ed.	9781470445027
89	Topology of lie groups, I and II	9781470445034
90	Rational approximations and orthogonality	9781470445041
91	Elements of the geometry and topology of minimal surfaces in three-dimensional space	9781470445058
92	Finiteness theorems for limit cycles	9781470445065
93	Nonlinear partial differential equations of second order	9781470445072
94	Introduction to the classical theory of Abelian functions	9781470445089
95	Topology of foliations : an introduction	9781470445096
96	Complements of discriminants of smooth maps : topology and applications. Revised ed.	9781470445102
97	Partial differential operators of elliptic type	9781470445119
98	Groups, generators, syzygies, and orbits in invariant theory	9781470416553
99	Qualitative theory of differential equations	9781470445126
100	Matching of asymptotic expansions of solutions of boundary value problems	9781470445133
101	Multidimensional residues and their applications	9781470445140
102	Wulff construction : a global shape from local interaction	9781470445157
103	Mathematical scattering theory : general theory	9781470445164
104	Conformal mappings and boundary value problems	9781470445171
105	Selected problems in real analysis	9781470445188
106	Tensor spaces and exterior algebra	9781470445195
107	Nonlinear semigroups	9781470445201
108	Introduction to complex analysis. Pt. II. Functions of several variables	9781470445218
109	Tube domains and the Cauchy problem	9781470445225
110	Introduction to the general theory of singular perturbations	9781470445232
111	Typical singularities of differential 1-forms and Pfaffian equations	9781470445249
112	Diffusion equations	9781470445256
113	Subgroups of Teichmüller modular groups	9781470445263

No.	title	eISBN
114	Arithmetic of probability distributions, and characterization problems on Abelian groups	9781470445270
115	Uncountably categorical theories	9781470445287
116	Algebraic functions	9781470445294
117	Nonlinear Poisson brackets : geometry and quantization	9781470416195
118	Gaussian processes	9781470445300
119	Local fields and their extensions : a constructive approach. 2nd ed.	9781470446642
120	Theory of entire and meromorphic functions : deficient and asymptotic values and singular directions	9781470445317
121	ElieÉlie Cartan (1869-1951)	9781470416201
122	Embeddings and immersions	9781470445324
123	Theory of commutative fields	9781470445331
124	Invariant function spaces on homogeneous manifolds of Lie groups and applications	9781470445348
125	Tangents and secants of algebraic varieties	9781470445355
126	Complexity of proofs and their transformations in axiomatic	9781470445362
127	An introduction to Sato's hyperfunctions	9781470445379
128	Cobordisms and spectral sequences	9781470445386
129	Functions on manifolds : algebraic and topological aspects	9781470445393
130	Calculus of variations and harmonic maps	9781470445409
131	Nonlinear nonlocal equations in the theory of waves	9781470445416
132	Problems and theorems in linear algebra	9781470445423
133	Modern spherical functions	9781470445430
134	Algebraic geometry	9781470445447
135	Heavy traffic limits for multiphase queues	9781470445454
136	Identities of algebras and their representations	9781470445461
137	Methods for analysis of nonlinear elliptic boundary value problems	9781470445478
138	Traveling wave solutions of parabolic systems	9780821833933
139	Qualitative theory of control systems	9781470445584
140	Introduction to the theory of diffusion processes	9781470445591
141	Linear infinite-particle operators	9781470445607
142	Nontraditional methods in mathematical hydrodynamics	9781470445614
143	Modular forms and Hecke operators	9781470445621
144	Introduction to linear systems of differential equations	9781470445638
145	Mixed problem for partial differential equations with quasihomogeneous principal part	9781470445645
146	Asymptotic methods in the theory of Gaussian processes and fields	9781470445652
147	Riemannian geometry	9781470441050

No.	title	eISBN
148	Lectures on entire functions	9780821833162
149	Asymptotic solutions of the one-dimensional Schrödinger equation	9781470445669
150	Representations of infinite-dimensional groups	9781470445676
151	Introduction to the qualitative theory of dynamical systems on surfaces	9781470445683
152	Knots links braids and 3-manifolds : An Introduction to the New Invariants in Low-Dimensional Topology	9781470445690
153	The asymptotic distribution of eigenvalues of partial differential operators	9781470445706
154	Qualitative topics in integer linear programming	9781470445713
155	Control of systems with aftereffect	9781470445720
156	Infinite-dimensional Lie groups	9781470445737
157	Best approximation by linear superpositions (approximate nomography)	9781470445744
158	Linear and nonlinear perturbations of the operator div	9781470445751
159	Discreteness and continuity in problems of chaotic dynamics	9781470445768
160	Sign-based methods in linear statistical models	9781470445775
161	Probability theory : collection of problems	9781470445782
162	Nonstandard methods in commutative harmonic analysis	9781470445799
163	The embedding problem in Galois theory	9781470445805
164	An introduction to algebraic geometry	9781470445812
165	Mathematics of fractals	9781470445829
166	Introduction to complex analysis	9781470445836
167	Ordinary differential equations with constant coefficient	9781470445843
168	Elliptic functions and elliptic integrals	9781470445850
169	Second order equations of elliptic and parabolic type	9781470445867
170	Characters of finite groups. Part 1	9781470445874
171	Local properties of distributions of stochastic functionals	9781470445881
172	Second order elliptic equations and elliptic systems	9781470445898
173	Modern aspects of linear algebra	9781470445904
174	Four-dimensional integrable Hamiltonian systems with simple singular points (topological aspects)	9781470445911
175	Real analysis : with an introduction to wavelet theory	9781470445928
176	Analytic functionals on the sphere	9781470445935
177	Algebraic groups and their birational invariants	9781470416225
178	Calculus of variations and optimal control	9781470445942
179	Characters of finite groups. Part 2	9781470445959

No.	title	eISBN
180	Symmetries and conservation laws for differential equations of mathematical physics	9781470445966
181	Algebraic topology : an intuitive approach	9781470445973
182	Financial markets : stochastic analysis and the pricing of derivative securities	9781470445980
183	Algebraic geometry 1: From Algebraic Varieties to Schemes	9781470445997
184	Number theory 1: Fermat's Dream	9781470446000
185	Optimal control of distributed systems : theory and applications	9781470446017
186	Metric characterization of random variables and random processes	9781470446024
187	Hyperbolic partial differential equations and wave phenomena	9781470446031
188	Dynamical systems on homogeneous spaces	9781470446048
189	Methods of information geometry	9781470446055
190	C*-algebras and elliptic operators in differential topology	9781470446062
191	Function theory in several complex variables	9781470446079
192	Records : mathematical theory	9781470446208
193	Infinite-dimensional Lie algebras	9781470446215
194	Asymptotic statistical methods for stochastic processes	9781470446222
195	Algebraic geometry 2: Sheaves and Cohomology	9781470446239
196	Simplicial and operad methods in algebraic topology	9781470446246
197	Geometry of characteristic classes	9781470446253
198	Geometry	9781470428976
199	Geometry of differential forms	9781470446260
200	Geometric asymptotics for nonlinear PDE. I	9781470446277
201	Mathematics of information and coding	9781470446284
202	Cohomological analysis of partial differential equations and secondary calculus	9781470446291
203	Variational problems in geometry	9781470446307
204	Advances in moduli theory	9781470446314
205	Discrete groups	9781470446321
206	An introduction to Morse theory	9781470446338
207	Far-from-equilibrium dynamics	9781470446345
208	Conformal field theory and topology	9781470446352
209	Analysis of several complex variables	9781470446369
210	Mathematics of financial obligations	9781470446376
211	Combinatorics of nonnegative matrices	9781470446383
212	Algebras of sets and combinatorics	9781470446390
213	Introduction to prehomogeneous vector spaces	9781470446406
214	Quasipower series and quasianalytic classes of functions	9781470446413

No.	title	eISBN
215	D-modules and microlocal calculus	9781470446420
216	Algebraic geometry 3: Further Study of Schemes	9781470440763
217	Asymptotic representation theory of the symmetric group and its applications in analysis	9781470446437
218	Selected topics in integral geometry	9781470446444
219	Surfaces with constant mean curvature	9781470446451
220	Convex analysis : theory and applications	9781470446468
221	Painlev{acute}e equations through symmetry	9781470446475
222	Stochastic analysis	9781470446482
223	Moduli of Riemann surfaces real algebraic curves and their superanalogs	9781470446499
224	Hilbert C*-modules	9781470446505
225	Algebraic analysis of singular perturbation theory	9781470446512
226	Principal structures and methods of representation theory	9781470446529
227	Lectures in mathematical statistics : parts 1 and 2	9781470446536
228	Generalized cohomology	9781470447885
229	Essentials of stochastic processes	9781470446543
230	Number-theoretic algorithms in cryptography	9781470418144
231	Lectures and exercises on functional analysis	9781470446550
232	Homogenization : methods and applications	9781470446567
233	Index theorem. 1	9781470447892
234	Value distribution of meromorphic functions	9781470446574
235	Operator algebras and geometry	9781470416232
236	Quantum bounded symmetric domains	9781470416249
237	Wavelet theory	9781470416256
238	Number theory 2: Introduction to Class Field Theory	9781470418151
239	Boolean functions in coding theory and cryptography	9781470416263
240	Number theory 3: Iwasawa Theory and Modular Forms	9780821891629
241	Fermat's last theorem : Basic Tools	9781470416270
242	Arakelov geometry	9781470419608
243	Fermat's last theorem : The Proof	9781470420444