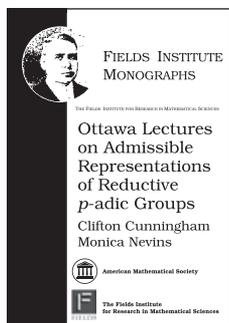


# New Publications Offered by the AMS

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## Algebra and Algebraic Geometry



### Ottawa Lectures on Admissible Representations of Reductive $p$ -adic Groups

Clifton Cunningham, *University  
of Calgary, AB, Canada*, and  
Monica Nevins, *University of  
Ottawa, ON, Canada*, Editors

*Ottawa Lectures* offers researchers and graduate students a rare introduction to some of the major modern themes in the representation theory of  $p$ -adic groups: the classification and construction of their (complex) admissible representations, the calculation of their characters, and the realization of the celebrated local Langlands correspondence. Recent years have seen significant and rapid progress made toward each of these goals; the purpose of this book is to help bridge the gap from the classical literature to the forefront of research.

The first part of this volume is devoted to the tools and techniques used to classify and construct smooth representations of  $p$ -adic groups: the Bernstein decomposition, Bruhat-Tits theory and filtrations of subgroups, and an overview of J.-K. Yu's construction of supercuspidal representations, together with J.-L. Kim's proof that it is exhaustive. The second part begins with a historical overview of character computations and continues with an introduction to motivic integration. The volume concludes, in the third part, with an introduction to the local Langlands programme and a proof of the local Langlands correspondence for algebraic tori.

The chapters, written by leaders in this field, arose from lecture notes of mini-courses delivered at workshops held at the University of Ottawa in 2004 and 2007.

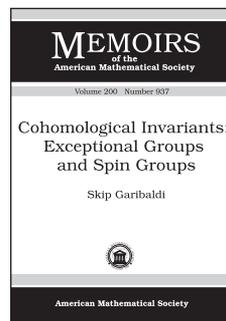
*This item will also be of interest to those working in number theory.*

Titles in this series are co-published with The Fields Institute for Research in Mathematical Sciences (Toronto, Ontario, Canada).

**Contents:** *Smooth representations:* A. Roche, The Bernstein decomposition and the Bernstein centre; J.-K. Yu, Bruhat-Tits theory and buildings; J.-L. Kim, Supercuspidal representations: Construction and exhaustion; *Character theory:* P. J. Sally, Jr. and L. Spice, Character theory of reductive  $p$ -adic groups; J. Gordon and Y. Yaffe, An overview of arithmetic motivic integration; *Local Langlands correspondence:* P. Mezo, Notes on the local Langlands program; J.-K. Yu, On the local Langlands correspondence for tori; Bibliography; Index.

Fields Institute Monographs, Volume 26

June 2009, 199 pages, Hardcover, ISBN: 978-0-8218-4493-9, LC 2009006750, 2000 *Mathematics Subject Classification:* 22E50; 14L15, 11S37, **AMS members US\$55**, List US\$69, Order code FIM/26



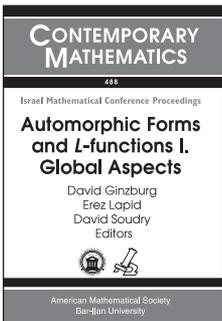
### Cohomological Invariants: Exceptional Groups and Spin Groups

Skip Garibaldi, *Emory University,  
Atlanta, GA*  
with an appendix by Detlev  
Hoffmann

**Contents:** Part I. Invariants, especially modulo an odd prime; Part II. Surjectivities and invariants of  $E_6$ ,  $E_7$ , and  $E_8$ ; Part III. Spin groups; Appendices; Bibliography; Index.

**Memoirs of the American Mathematical Society**, Volume 200, Number 937

June 2009, 81 pages, Softcover, ISBN: 978-0-8218-4404-5, LC 2009008059, 2000 *Mathematics Subject Classification:* 11E72; 12G05, 20G15, 17B25, **Individual member US\$39**, List US\$65, Institutional member US\$52, Order code MEMO/200/937



## Automorphic Forms and $L$ -functions I

### Global Aspects

David Ginzburg, *Tel-Aviv University, Israel*, Erez Lapid, *The Hebrew University of Jerusalem, Israel*, and David Soudry, *Tel-Aviv University, Israel*, Editors

This book is the first of two volumes, which represent leading themes of current research in automorphic forms and representation theory of reductive groups over local fields. Articles in this volume mainly represent global aspects of automorphic forms. Among the topics are the trace formula; functoriality; representations of reductive groups over local fields; the relative trace formula and periods of automorphic forms; Rankin–Selberg convolutions and  $L$ -functions; and  $p$ -adic  $L$ -functions. The articles are written by leading researchers in the field, and bring the reader, advanced graduate students and researchers alike, to the frontline of the vigorous research in these deep, vital topics. The companion volume (Contemporary Mathematics, Volume 489) is devoted to local aspects of automorphic forms.

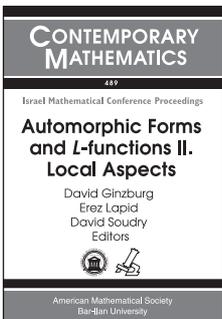
*This item will also be of interest to those working in number theory.*

This book is co-published with Bar-Ilan University (Ramat-Gan, Israel).

**Contents:** J. Arthur, Report on the trace formula; A. Ben-Artzi and D. Soudry,  $L$ -functions for  $U_m \times_{R_E/F} GL_n$  ( $n \leq \lfloor \frac{m}{2} \rfloor$ ); B. Brubaker, D. Bump, and S. Friedberg, Gauss sum combinatorics and metaplectic Eisenstein series; J. W. Cogdell and I. I. Piatetski-Shapiro, On partial Poincaré series; W. T. Gan, N. Gurevich, and G. Savin, Restrictions of Saito-Kurokawa representations; D. Ginzburg, D. Jiang, and S. Rallis, Models for certain residual representations of unitary groups; B. Krötz, Crown theory for the upper half plane; O. Offen, Unitary periods and Jacquet's relative trace formula; D. Ramakrishnan, Remarks on the symmetric powers of cusp forms on  $GL(2)$ ; J. Schwermer, The cohomological approach to cuspidal automorphic representations.

Contemporary Mathematics, Volume 488

July 2009, 285 pages, Softcover, ISBN: 978-0-8218-4706-0, LC 2009000412, 2000 *Mathematics Subject Classification*: 11F70, 11F67; 11F72, 11F27, 11F33, 11F75, 11F80, **AMS members US\$71**, List US\$89, Order code CONM/488



## Automorphic Forms and $L$ -functions II

### Local Aspects

David Ginzburg, *Tel-Aviv University, Israel*, Erez Lapid, *The Hebrew University of Jerusalem, Israel*, and David Soudry, *Tel-Aviv University, Israel*, Editors

This book is the second of two volumes, which represent leading themes of current research in automorphic forms and representation theory of reductive groups over local fields. Articles in this volume mainly represent global aspects of automorphic

forms. Among the topics are the trace formula; functoriality; representations of reductive groups over local fields; the relative trace formula and periods of automorphic forms; Rankin–Selberg convolutions and  $L$ -functions; and  $p$ -adic  $L$ -functions. The articles are written by leading researchers in the field, and bring the reader, advanced graduate students and researchers alike, to the frontline of the vigorous research in these deep, vital topics. The companion volume (Contemporary Mathematics, Volume 488) is devoted to global aspects of automorphic forms.

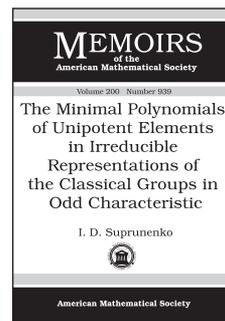
*This item will also be of interest to those working in number theory.*

This book is co-published with Bar-Ilan University (Ramat-Gan, Israel).

**Contents:** S. Böcherer and A. A. Panchishkin,  $p$ -adic interpolation for triple  $L$ -functions: Analytic aspects; G. Henniart, Sur les représentations modulo  $p$  de groupes réductifs  $p$ -adiques; H. Jacquet, Archimedean Rankin–Selberg integrals; E. Lapid and J. Rogawski, On a result of Venkatesh on Clozel's conjecture; C. Mœglin, Paquets d'Arthur discrets pour un groupe classique  $p$ -adique; F. Shahidi and W. Kuo, Complexity of group actions and stability of root numbers; M. Tadić,  $GL(n, \mathbb{C})$  and  $GL(n, \mathbb{R})$ .

Contemporary Mathematics, Volume 489

August 2009, 313 pages, Softcover, ISBN: 978-0-8218-4708-4, LC 2009000412, 2000 *Mathematics Subject Classification*: 11F70; 11F85, 22E50, **AMS members US\$79**, List US\$99, Order code CONM/489



## The Minimal Polynomials of Unipotent Elements in Irreducible Representations of the Classical Groups in Odd Characteristic

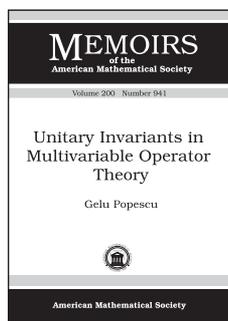
I. D. Suprunenko, *National Academy of Sciences of Belarus, Minsk, Belarus*

**Contents:** Introduction; Notation and preliminary facts; The general scheme of the proof of the main results;  $p$ -large representations; Regular unipotent elements for  $n = p^s + b$ ,  $0 < b < p$ ; A special case for  $G = B_r(K)$ ; The exceptional cases in Theorem 1.7; Theorem 1.9 for regular unipotent elements and groups of types  $A$ ,  $B$ , and  $C$ ; The general case for regular elements; Theorem 1.3 for groups of types  $A_r$  and  $B_r$  and regular elements; Proofs of the main theorems; Some examples; Appendix. Tables; Appendix. Bibliography; Appendix. Index.

Memoirs of the American Mathematical Society, Volume 200, Number 939

June 2009, 154 pages, Softcover, ISBN: 978-0-8218-4369-7, LC 2009008895, 2000 *Mathematics Subject Classification*: 20G05, **Individual member US\$43**, List US\$72, Institutional member US\$58, Order code MEMO/200/939

## Analysis



### Unitary Invariants in Multivariable Operator Theory

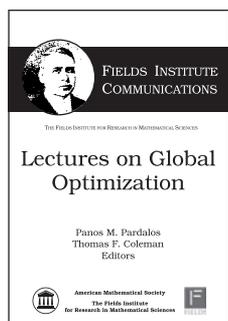
Gelu Popescu, *University of Texas at San Antonio, TX*

**Contents:** Introduction; Unitary invariants for  $n$ -tuples of operators; Joint operator radii, inequalities, and applications; Bibliography.

**Memoirs of the American Mathematical Society**, Volume 200, Number 941

June 2009, 91 pages, Softcover, ISBN: 978-0-8218-4396-3, LC 2009008282, 2000 *Mathematics Subject Classification*: 47A13, 47A20, 47A12; 47A56, 47A63, **Individual member US\$39**, List US\$65, Institutional member US\$52, Order code MEMO/200/941

## Applications



### Lectures on Global Optimization

Panos M. Pardalos, *University of Florida, Gainesville, FL*, and Thomas F. Coleman, *University of Waterloo, ON, Canada*, Editors

A large number of mathematical models in many diverse areas of science and engineering have lead to the formulation of optimization problems where the best

solution (globally optimal) is needed. Due to the interdisciplinary nature of global optimization, there has been astonishing progress in this field during the last few decades. Many powerful computational algorithms and new theoretical developments have been introduced to solve a spectrum of hard problems in several disciplines.

This book covers a small subset of recent important topics in global optimization with emphasis on recent theoretical developments and scientific applications. The chapters are based on the talks presented at the workshop on "Global Optimization: Methods and Applications" that was held at the Fields Institute from May 11–12, 2007. The target audience includes graduate students in mathematics, engineering, and sciences, academic researchers, as well as practitioners, who use global optimization for their specific needs and applications.

Titles in this series are co-published with the Fields Institute for Research in Mathematical Sciences (Toronto, Ontario, Canada).

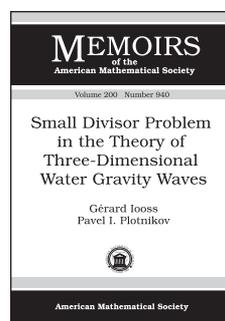
**Contents:** C. Audet, P. Hansen, and F. Messine, Extremal problems for convex polygons—an update; X. Bao and N. V. Sahinidis, Finite algorithms for global minimization of separable concave programs; J. Carlsson, D. Ge, A. Subramaniam, and Y. Ye, Solving min-max multi-depot vehicle routing problem;

H.-D. Chiang, J.-H. Chen, and C. Reddy, Trust-tech-based global optimization methodology for nonlinear programming; V. Dua, K. Kouramas, and S. Pistikopoulos, Global optimization issues in parametric programming and control; C. A. Floudas and C. E. Gounaris, An overview of advances in global optimization during 2003–2008; O. E. Kundakcioglu and P. M. Pardalos, Optimization in biomedical research; J. D. Pintér, Software development for global optimization; L. Li, X. Zhu, D.-Z. Du, P. M. Pardalos, and W. Wu, Connected dominating set in hypergraph; A. Tsoukalas, W. Wiesemann, and B. Rustem, Global optimisation of pessimistic bi-level problems.

**Fields Institute Communications**, Volume 55

July 2009, 243 pages, Hardcover, ISBN: 978-0-8218-4485-4, LC 2009004065, 2000 *Mathematics Subject Classification*: 90C26, 90C27, 90C29, 90C30, **AMS members US\$79**, List US\$99, Order code FIC/55

## Differential Equations



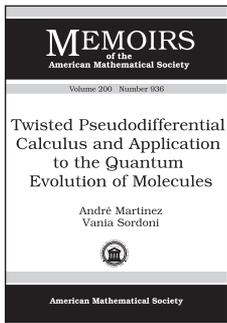
### Small Divisor Problem in the Theory of Three-Dimensional Water Gravity Waves

Gérard Iooss, *Université de Nice, France*, and Pavel I. Plotnikov, *Lavrentyev Institute of Hydrodynamics RAS, Novosibirsk, Russia*

**Contents:** Introduction; Formal solutions; Linearized operator; Small divisors. Estimate of  $\mathcal{L}$ -resolvent; Descent method-inversion of the linearized operator; Nonlinear Problem. Proof of Theorem 1.3; Appendix A. Analytical study of  $\mathcal{G}_\eta$ ; Appendix B. Formal computation of 3-dimensional waves; Appendix C. Proof of Lemma 3.6; Appendix D. Proofs of Lemmas 3.7 and 3.8; Appendix E. Distribution of numbers  $\{\omega_0 n^2\}$ ; Appendix F. Pseudodifferential operators; Appendix G. Dirichlet–Neumann operator; Appendix H. Proof of Lemma 5.8; Appendix I. Fluid particles dynamics; Bibliography.

**Memoirs of the American Mathematical Society**, Volume 200, Number 940

June 2009, 128 pages, Softcover, ISBN: 978-0-8218-4382-6, LC 2009008894, 2000 *Mathematics Subject Classification*: 76B15, 47J15, 35S15, 76B07, **Individual member US\$40**, List US\$67, Institutional member US\$54, Order code MEMO/200/940



## Twisted Pseudodifferential Calculus and Application to the Quantum Evolution of Molecules

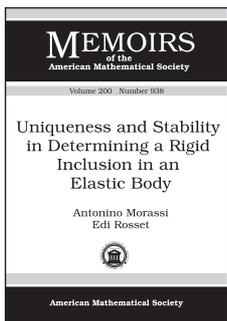
André Martínez and Vania Sordoni, *Università di Bologna, Italy*

This item will also be of interest to those working in applications.

**Contents:** Introduction; Assumptions and main results; A modified operator; Twisted  $h$ -admissible operators; Twisted partial differential operators; Construction of a quasi-invariant subspace; Decomposition of the evolution for the modified operator; Proof of Theorem 2.1; Proof of Corollary 2.6; Computing the effective Hamiltonian; Propagation of wave-packets; Application to polyatomic molecules; Appendix A. Smooth pseudodifferential calculus with operator-valued symbol; Appendix B. Propagation of the support; Appendix C. Two technical lemmas; Appendix. Bibliography.

**Memoirs of the American Mathematical Society**, Volume 200, Number 936

June 2009, 82 pages, Softcover, ISBN: 978-0-8218-4296-6, LC 2009008050, 2000 *Mathematics Subject Classification*: 35Q40, 81Q20; 35S99, 81Q05, 81Q10, 81S30, 81V55, **Individual member US\$37**, List US\$62, Institutional member US\$50, Order code MEMO/200/936



## Uniqueness and Stability in Determining a Rigid Inclusion in an Elastic Body

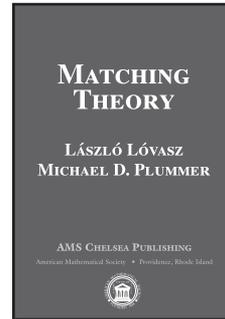
Antonino Morassi, *Università degli Studi di Udine, Italy*, and Edi Rosset, *Università degli Studi di Trieste, Italy*

**Contents:** Introduction; Main results; Proof of the uniqueness result; Proof of the stability result; Proof of Proposition 4.1; Stability estimates of continuation from Cauchy data; Proof of Proposition 4.2 in the 3-D case; A related inverse problem in electrostatics; Bibliography.

**Memoirs of the American Mathematical Society**, Volume 200, Number 938

June 2009, 58 pages, Softcover, ISBN: 978-0-8218-4325-3, LC 2009008260, 2000 *Mathematics Subject Classification*: 35R30; 35R25, 35J55, 74B05, **Individual member US\$34**, List US\$57, Institutional member US\$46, Order code MEMO/200/938

## Discrete Mathematics and Combinatorics



## Matching Theory

László Lovász, *Eötvös Loránd University, Budapest, Hungary*, and Michael D. Plummer, *Vanderbilt University, Nashville, TN*

This book surveys matching theory, with an emphasis on connections with other areas of mathematics and on the role matching theory has played,

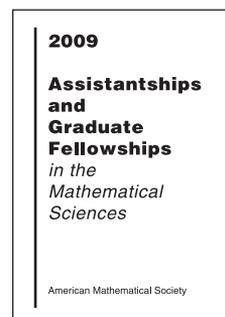
and continues to play, in the development of some of these areas. Besides basic results on the existence of matchings and on the matching structure of graphs, the impact of matching theory is discussed by providing crucial special cases and nontrivial examples on matroid theory, algorithms, and polyhedral combinatorics. The new Appendix outlines how the theory and applications of matching theory have continued to develop since the book was first published in 1986, by launching (among other things) the Markov Chain Monte Carlo method.

**Contents:** Matchings in bipartite graphs; Flow theory; Size and structure of maximum matchings; Bipartite graphs with perfect matchings; General graphs with perfect matchings; Some graph-theoretical problems related to matchings; Matching and linear programming; Determinants and matchings; Matching algorithms; The  $f$ -factor problem; Matroid matching; Vertex packing and covering; Appendix: Developments in matching theory since this book was first published; References; Index of terms; Index of symbols; Errata.

**AMS Chelsea Publishing**, Volume 367

August 2009, 547 pages, Hardcover, ISBN: 978-0-8218-4759-6, LC 2009007644, 2000 *Mathematics Subject Classification*: 05C70, 05C07, 05C85, 05B35, 90C27, 90C57, **AMS members US\$71**, List US\$79, Order code CHEL/367.H

## General and Interdisciplinary



## Assistantships and Graduate Fellowships in the Mathematical Sciences 2009

**From a review of a previous edition:**

This directory is a tool for undergraduate mathematics majors seeking information about graduate programs in mathematics. Although most of the information can

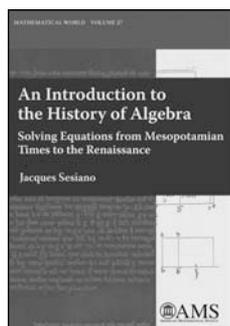
be gleaned from the Internet, the usefulness of this directory for the prospective graduate student is the consistent format for comparing different mathematics graduate programs without the hype. Published annually, the information is up-to-date, which is

more than can be said of some websites. Support for graduate students in mathematics is a high priority of the American Mathematical Society, which also provides information for fellowships and grants they offer as well as support from other societies and foundations. The book is highly recommended for academic and public libraries.

—*American Reference Books Annual*

This valuable reference source brings together a wealth of information about resources available for graduate study in mathematical sciences departments in the U.S. and Canada.

November 2009, approximately 100 pages, Softcover, ISBN: 978-0-8218-4868-5, **Individual member US\$18**, List US\$23, Order code ASST/2009



## An Introduction to the History of Algebra

Solving Equations from Mesopotamian Times to the Renaissance

Jacques Sesiano, *Swiss Federal Institute of Technology, Lausanne, Switzerland*  
Translated by Anna Pierrehumbert

*This text should not be viewed as a comprehensive history of algebra before 1600, but as a basic introduction to the types of problems that illustrate the earliest forms of algebra. It would be particularly useful for an instructor who is looking for examples to help enliven a course on elementary algebra with problems drawn from actual historical texts.*

—*Warren Van Egmond about the French edition for MathSciNet*

This book does not aim to give an exhaustive survey of the history of algebra up to early modern times but merely to present some significant steps in solving equations and, wherever applicable, to link these developments to the extension of the number system. Various examples of problems, with their typical solution methods, are analyzed, and sometimes translated completely. Indeed, it is another aim of this book to ease the reader's access to modern editions of old mathematical texts, or even to the original texts; to this end, some of the problems discussed in the text have been reproduced in the appendices in their original language (Greek, Latin, Arabic, Hebrew, French, German, Provençal, and Italian) with explicative notes.

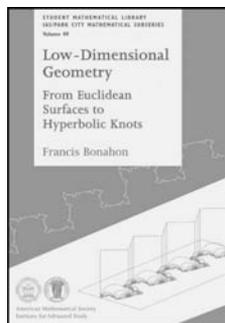
*This item will also be of interest to those working in algebra and algebraic geometry, analysis, and differential equations.*

**Contents:** Algebra in Mesopotamia; Algebra in ancient Greece; Algebra in the Islamic world; Algebra in medieval Europe; Algebra in the Renaissance; Appendix A. Mesopotamian texts in translation; Appendix B. Greek and Latin texts; Appendix C. Arabic texts; Appendix D. Hebrew text; Appendix E. French, German, Italian, and Provençal texts; Index.

**Mathematical World**, Volume 27

July 2009, 176 pages, Softcover, ISBN: 978-0-8218-4473-1, LC 2009008068, 2000 *Mathematics Subject Classification*: 01A05, 17-XX, 20-XX, 30-XX, 35-XX, 40-XX, **AMS members US\$28**, List US\$35, Order code MAWRLD/27

## Geometry and Topology



## Low-Dimensional Geometry

From Euclidean Surfaces to Hyperbolic Knots

Francis Bonahon, *University of Southern California, Los Angeles, CA*

The study of 3-dimensional spaces brings together elements from several areas of mathematics. The most notable are topology and geometry, but elements of number theory and analysis also make appearances. In the past 30 years, there have been striking developments in the mathematics of 3-dimensional manifolds. This book aims to introduce undergraduate students to some of these important developments.

*Low-Dimensional Geometry* starts at a relatively elementary level, and its early chapters can be used as a brief introduction to hyperbolic geometry. However, the ultimate goal is to describe the very recently completed geometrization program for 3-dimensional manifolds. The journey to reach this goal emphasizes examples and concrete constructions as an introduction to more general statements. This includes the tessellations associated to the process of gluing together the sides of a polygon. Bending some of these tessellations provides a natural introduction to 3-dimensional hyperbolic geometry and to the theory of kleinian groups, and it eventually leads to a discussion of the geometrization theorems for knot complements and 3-dimensional manifolds.

This book is illustrated with many pictures, as the author intended to share his own enthusiasm for the beauty of some of the mathematical objects involved. However, it also emphasizes mathematical rigor and, with the exception of the most recent research breakthroughs, its constructions and statements are carefully justified.

This volume was co-published with the Institute for Advanced Study/Park City Mathematics Institute.

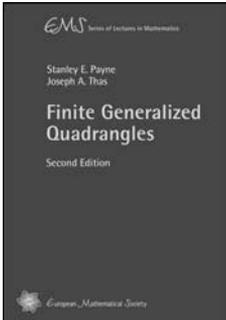
**Contents:** The euclidean plane; The hyperbolic plane; The 2-dimensional sphere; Gluing constructions; Gluing examples; Tessellations; Group actions and fundamental domains; The Farey tessellation and circle packing; The 3-dimensional hyperbolic space; Kleinian groups; The figure-eight knot complement; Geometrization theorems in dimension 3; Tool kit; Bibliography and references; Index.

**Student Mathematical Library**, Volume 49

August 2009, approximately 391 pages, Softcover, ISBN: 978-0-8218-4816-6, LC 2009005856, 2000 *Mathematics Subject Classification*: 51M05, 51M10, 30F40, 57M25, **AMS members US\$43**, List US\$54, Order code STML/49

## New AMS-Distributed Publications

### Discrete Mathematics and Combinatorics



### Finite Generalized Quadrangles

Second Edition

**Stanley E. Payne**, *University of Colorado, Denver, CO*, and  
**Joseph A. Thas**, *Ghent University, Belgium*

Generalized quadrangles (GQ) were formally introduced by J. Tits in 1959 to describe geometric properties of simple groups of Lie type of rank 2. The first edition of *Finite Generalized Quadrangles* (FGQ) quickly became the standard reference for finite GQ.

The second edition is essentially a reprint of the first edition. It is a careful rendering into  $\text{\LaTeX}$  of the original, along with an appendix that brings to the attention of the reader those major new results pertaining to GQ, especially in those areas where the authors of this work have made a contribution.

The first edition has been out of print for many years. The new edition makes available again this classical reference in the rapidly increasing field of finite geometries.

*This item will also be of interest to those working in geometry and topology.*

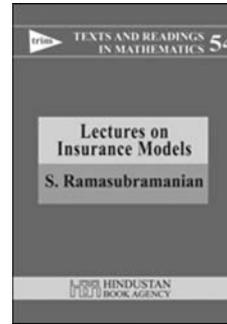
A publication of the European Mathematical Society (EMS). Distributed within the Americas by the American Mathematical Society.

**Contents:** Combinatorics of finite generalized quadrangles; Subquadrangles; The known generalized quadrangles and their properties; Generalized quadrangles in finite projective spaces; Combinatorial characterizations of the known generalized quadrangles; Generalized quadrangles with small parameters; Generalized quadrangles in finite affine spaces; Elation generalized quadrangles and translation generalized quadrangles; Moufang conditions; Generalized quadrangles as group coset geometries; Coordinatization of generalized quadrangles with  $s = t$ ; Generalized quadrangles as amalgamations of desarguesian planes; Generalizations and related topics; Appendix. Development of the theory of GQ since 1983; Bibliography; Index.

EMS Series of Lectures in Mathematics, Volume 9

April 2009, 298 pages, Softcover, ISBN: 978-3-03719-066-1, 2000 *Mathematics Subject Classification:* 05-02, 51-02, 05B05, 05B25, 51B10, 51B15, 51B20, 51E05, 51E12, 51E14, 51E20, 51E21, 51E30, AMS members US\$35, List US\$44, Order code EMSERLEC/9

## Probability



### Lectures on Insurance Models

**S. Ramasubramanian**, *Indian Statistical Institute, Bangalore, India*

Insurance has become a necessary aspect of modern society. The mathematical basis of insurance modelling is best expressed in terms of continuous time stochastic processes.

This introductory text on actuarial risk theory deals with the Cramer-Lundberg model and the renewal risk model. Their basic structure and properties, including the renewal theorems as well as the corresponding ruin problems, are studied. There is a detailed discussion of heavy tailed distributions, which have become increasingly relevant. The Lundberg risk process with investment in risky asset is also considered.

This book will be useful to practitioners in the field and to graduate students interested in this important branch of applied probability.

A publication of Hindustan Book Agency. Distributed on an exclusive basis by the AMS in North America. Online bookstore rights worldwide.

**Contents:** Introduction; Poisson model; Renewal model; Claim size distributions; Ruin problems; Lundberg risk process with investment; Appendix 1. Basic notions; Appendix 2. On the central limit problem; Appendix 3. Martingales; Appendix 4. Brownian motion and Itô integrals; Bibliography; Index.

Hindustan Book Agency

April 2009, 206 pages, Hardcover, ISBN: 978-81-85931-93-7, 2000 *Mathematics Subject Classification:* 91B30; 60K05, 62P05, 60Exx, 60Gxx, 60Jxx, 60H20, 91B28, AMS members US\$35, List US\$44, Order code HIN/41