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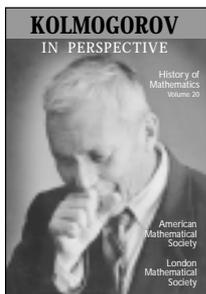
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Kolmogorov in Perspective

The translations in the present work convey the nuances of the Russian original very well ... The selection of materials gives a very good presentation of Kolmogorov's life, thought, and influence.

—*Mathematical Reviews*

Copublished with the London Mathematical Society. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.

History of Mathematics, Volume 20; 2000; 230 pages; Hardcover: ISBN 0-8218-0872-9; List \$49; Sale price \$34; Order code HMATH20SS02

Poincaré and the Three Body Problem

June Barrow-Green, *The Open University, Milton Keynes, UK*

A fair treatment and a nice description of the history regarding Poincaré and the three body problem ... of interest to many mathematicians, physicists and astronomers ... a balanced and very readable book ... recommend[ed] ... to all mathematically trained people with an interest in the historical origins of chaos.

—*Nonlinear Science Today*

Copublished with the London Mathematical Society. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.

History of Mathematics, Volume 11; 1997; 272 pages; Softcover: ISBN 0-8218-0367-0; List \$41; Sale price \$29; Order code HMATH11SS02

Stephen Smale: The mathematician who broke the dimension barrier

Steve Batterson, *Emory University, Atlanta, GA*

This well-researched book provides a great deal of personal and historical information on Smale, and also attempts to portray his mathematics for a general reader.

—*Mathematical Reviews*

Batterson's book is readable by, and accessible to, high school students ... Smale's life is inspiring; Batterson's book is fascinating.

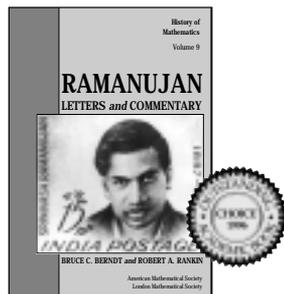
—*The Mathematics Teacher*

Batterson has done an outstanding job of collecting factual information on Smale's youth and education ... This information should be read by the rank and file of all undergraduate and graduate students in mathematics ...

Batterson's insight on Smale's personality is a wonderful suggestion for all in research.

—*MAA Online*

2000; 306 pages; Hardcover: ISBN 0-8218-2045-1; List \$35; Sale price \$25; Order code MBDBSS02



Ramanujan: Letters and Commentary

Bruce C. Berndt, *University of Illinois, Urbana*, and Robert A. Rankin, *University of Glasgow, Scotland*

This commendable collection ... is a unique contribution to the history of mathematics for at least two reasons. It has brought together precious documents scattered in many places and provides the reader with a wealth of interesting matters related to one of the luminaries in the world of mathematics. Second, through brief and insightful notes and commentaries, the work throws light on many an interesting side street connecting to the

grand avenue of knowledge on which we are riding. With resuscitations of some fading photographs and an impressive list of more than 300 references, this book is a very valuable addition to the literature on Ramanujan.

—*CHOICE*

Delightful reading ... a useful reference on English analysts and number theorists of Hardy's time ... has many pictures, some of them quite marvelous ... What Berndt and Rankin have done is to make a great deal of primary material available to ... scholars.

—*Zentralblatt MATH*

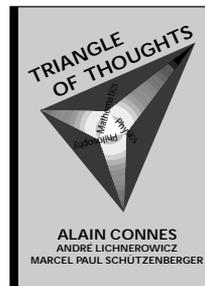
The book is very readable, contains much material not available elsewhere and can be read at a variety of levels, so it can be highly recommended to anyone with an interest in Ramanujan.

—*Bulletin of the London Mathematical Society*

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History of Mathematics, Volume 9; 1995; 347 pages; Hardcover: ISBN 0-8218-0287-9; List \$62; Sale price \$43; Order code HMATH9SS02



Triangle of Thoughts

Alain Connes, André Lichnerowicz, and Marcel Paul Schützenberger

In this book, these three members of the French Academy of Sciences discuss the relations among mathematics, physics, philosophy, and other sciences.

2001; 179 pages; Hardcover: ISBN 0-8218-2614-X; List \$30; Sale price \$21; Order code TOTSS02

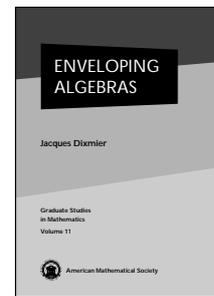
On Being a Department Head, a Personal View

John B. Conway, *University of Tennessee, Knoxville*

Provokes the reader to think through some of the difficult issues ... There are few books that deal so directly with running a University department and therefore this book should be read by anyone with an interest in that endeavour. Its easy style and treatment of universal management issues make it worthy of a wider audience.

—*The Mathematical Gazette*

1997; 107 pages; Softcover: ISBN 0-8218-0615-7; List \$25; Sale price \$18; Order code AHEADSS02



Enveloping Algebras

Jacques Dixmier, *Paris, France*

Self-contained, written with precision and elegance ... an excellent textbook for the graduate student, a very good background for the professional algebraist not very familiar with the subject and a very useful source of references for the expert.

—*Zentralblatt MATH*

For the graduate student, this is a masterpiece of pedagogical writing, being succinct, wonderfully self-contained and of exceptional precision.

—*Mathematical Reviews*

Graduate Studies in Mathematics, Volume 11; 1996; 379 pages; Hardcover: ISBN 0-8218-0560-6; List \$62; Sale price \$43; Order code GSM11SS02

Fourier Analysis

Javier Duoandikoetxea, *Universidad del País Vasco/Euskal Herriko Unibertsitatea, Bilbao, Spain*

This is a great introductory book to Fourier analysis on Euclidean spaces and can serve as

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a textbook in an introductory graduate course on the subject ... The chapters on the Hardy-Littlewood maximal function and the Hilbert transform are extremely well written ... this is a great book and is highly recommended as an introductory textbook to Fourier analysis. The students will have a lot to benefit from in the simple and quick presentation of the book.

—*Mathematical Reviews*

Graduate Studies in Mathematics, Volume 29; 2001; 222 pages; Hardcover; ISBN 0-8218-2172-5; List \$35; Sale price \$25; Order code GSM/29SS02

Differential Geometry, Lie Groups, and Symmetric Spaces

Sigurdur Helgason, *Massachusetts Institute of Technology, Cambridge*

From reviews for the First Edition:

Renders a great service in permitting the non-specialist, with a minimum knowledge of differential geometry and Lie groups, an initiation to the theory of symmetrical spaces.

—*H. Cartan, Secretariat Mathématique, Paris*

The mathematical community has long been in need of a book on symmetric spaces. S. Helgason has admirably satisfied this need with his book, Differential Geometry and Symmetric Spaces. It is a remarkably well-written book ... a masterpiece of concise, lucid mathematical exposition ... it might be used as a textbook for "how to write mathematics".

—*Louis Auslander*

Graduate Studies in Mathematics, Volume 34; 2001; 641 pages; Hardcover; ISBN 0-8218-2848-7; List \$69; Sale price \$48; Order code GSM/34SS02

Topics in Classical Automorphic Forms

Henryk Iwaniec, *Rutgers University, New Brunswick, NJ*

An excellent place to begin the study of the analytic approach to modular forms ... a welcome addition to this growing expository of literature.

—*Bulletin of the American Mathematical Society*

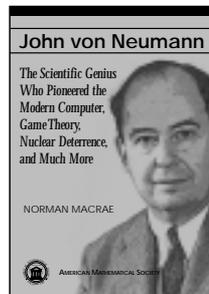
[T]his is an excellent book, requiring hard work from the reader and giving rich reward for her or his effort.

—*Zentralblatt MATH*

An excellent graduate text. The book by Iwaniec provides the graduate student and the researcher wishing to acquire the basics on automorphic forms with a beautifully written and self-contained treatment of the classical modular and automorphic forms, Kloosterman sums, Hecke operators, automorphic L-functions, cusp forms and Eisenstein series, spherical functions, theta functions and convolution L-functions.

—*Bulletin of the London Mathematical Society*

Graduate Studies in Mathematics, Volume 17; 1997; 259 pages; Hardcover; ISBN 0-8218-0777-3; List \$41; Sale price \$29; Order code GSM/17SS02



John von Neumann

The Scientific Genius Who Pioneered the Modern Computer, Game Theory, Nuclear Deterrence, and Much More

Norman Macrae

Provides a nice and fascinating picture of a genius who was active in so many domains.

—*Zentralblatt MATH*

Biographer Macrae takes a "viewpaperman" approach which stresses the context and personalities associated with von Neumann's remarkable life, rather than attempting to give a detailed scholarly analysis of von Neumann's papers. The resulting book is a highly entertaining account that is difficult to put down.

—*Journal of Mathematical Psychology*

A full and intimate biography of "the man who consciously and deliberately set mankind moving along the road that led us into the Age of Computers."

—*Freeman Dyson, Princeton, NJ*

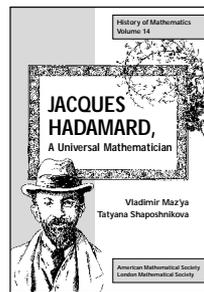
This book has now been reprinted by the AMS. It is good to have a biography of one of the most important mathematicians of the twentieth century, even if it is a biography that focuses much more on the man than on the mathematics.

—*MAA Online*

Macrae paints a highly readable, humanizing portrait of a man whose legacy still influences and shapes modern science and knowledge.

—*Resonance Publications, Portal to Science, Engineering and Technology*

1992; 406 pages; Softcover; ISBN 0-8218-2676-X; List \$29; Sale price \$20; Order code JVNMM.SSS02



Jacques Hadamard, A Universal Mathematician

Vladimir Maz'ya and Tatyana Shaposhnikova, *Linköping University, Sweden*

The book is filled with brief and fascinating biographies of many of these colleagues, with amusing anecdotes and incisive quotations, and with an illuminating description of the academic milieu in which Hadamard was trained.

—*SIAM Review*

This is a fascinating book on the life and work of J. Hadamard (1865–1963). In fact, it is also a book on mathematics and mathematicians from the last quarter of the 19th century until today—extremely rich material collected, ordered and presented in an interesting, attractive and readable form.

—*European Mathematical Society Newsletter*

Maz'ya and Shaposhnikova have created an authoritative source for biographical information on Jacques Hadamard.

—*MAA Online*

The reviewer recommends the book highly for both enjoyment and information. The authors have a masterful grasp of both the mathematics and the biography, and they tell the story in a very interesting way.

—*Mathematical Reviews*

An account of one of the great mathematicians of all time. Thoroughly researched biography plus summary of contributions to analytic function theory, number theory, geometry, calculus of variations, mathematical physics, PDEs, and other subjects.

—*American Mathematical Monthly*

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History of Mathematics, Volume 14; 1998; 574 pages; Softcover; ISBN 0-8218-1923-2; List \$51; Sale price \$36; Order code HMATH/14.SSS02

The Fermat Diary

C. J. Mozzochi, *Princeton, NJ*

A carefully crafted diary ... a careful and well-controlled attempt to explain the context of the proof and the contribution of its principal participants ... As a result one is rewarded with a fine rogues' gallery of the contributors ... This is a strait-laced and calm version of the story,

but one well worth reading. In brief: Should you buy the book for a friend? I say, Yes.

—*Zentralblatt MATH*

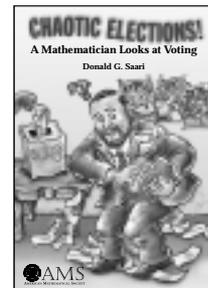
How many of us would like to have been "present at the creation", hanging around Princeton, attending teas and gossiping with inside figures, listening to explanatory lectures and attending celebratory conferences? ... recommended it as an addition to both personal and institutional libraries.

—*MAA Online*

Mozzochi provides us with a great deal of valuable primary data. The photographs, in particular, will be of great value to future historians.

—*American Scientist*

2000; 196 pages; Hardcover; ISBN 0-8218-2670-0; List \$29; Sale price \$20; Order code FERMATDSS02



Chaotic Elections! A Mathematician Looks at Voting

Donald G. Saari, *University of California, Irvine*

This exceedingly timely and lively book is a mostly non-technical, highly personalized account of author Don Saari's views on and contributions to voting theory and practice ... written with flair and imagination, making it entertaining and interesting to read ...

—*MAA Online*

2001; 159 pages; Softcover; ISBN 0-8218-2847-9; List \$23; Sale price \$16; Order code ELECTSS02

Kvant Selecta: Algebra and Analysis, II

Serge Tabachnikov, *University of Arkansas at Fayetteville, Editor*

The slate of the authors is most impressive ... It is most impressive and commendable that these "serious" mathematicians went out of their way to make their sophisticated material understandable by a broad readership ... a welcome edition to mathematics literature where rigor co-exists with fun and accessibility.

—*Zentralblatt MATH*

Mathematical World, Volume 15; 1999; 165 pages; Softcover; ISBN 0-8218-1915-1; List \$24; Sale price \$17; Order code MAWRD/15SS02

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