

PUBLICATIONS *of* CONTINUING INTEREST

In Praise of AMS Publications

These books have recently received positive peer reviews. The feedback from scholarly journals is a great source of information when considering your research and educational needs. We are proud to share this input with you.

The Classification of the Finite Simple Groups, Number 3

Daniel Gorenstein, Richard Lyons, *Rutgers University, New Brunswick, NJ*, and Ronald Solomon, *Ohio State University, Columbus*

The book is carefully written and much of the material presented has uses well beyond the task at hand. There is a wealth of information in this volume, including quite a number of useful tables ... will be a valuable reference for future generations of mathematicians.

—*Mathematical Reviews*

Mathematical Surveys and Monographs, Volume 40; 1998; ISBN 0-8218-0391-3; 419 pages; Hardcover; **Individual member \$47**, List \$79, Institutional member \$63, Order Code SURV/40.3C194

The Man Who Loved Only Numbers The Story of Paul Erdős and the Search for Mathematical Truth

Paul Hoffman
A publication of Hyperion Press.

No mathematician is more legendary than Paul Erdős (1913–96) ... The Man Who Loved Only Numbers is [Hoffman's] expanded homage to the man and his discipline ... Hoffman does not analyze the man but lets Erdős and his colleagues speak for themselves, and Erdős the person, and his intellectual interests, emerge ... We follow the trains of thought (and some of the personalities) that evolved from the attempts to comprehend the infinite sets lurking behind calculus. We visit Andrew Wiles' recent solution of the second-most famous theorem in mathematics, Fermat's last one. And we pursue the "Monty Hall" problem ... This book opens doors on a world and characters that are often invisible. It is interesting that Hoffman, Erdős and others in the book remember the mathematical tidbit that first intrigued them and bound them to this world. Possibly a future scientist or mathematician, or future scientific writer, will remember something in this book that way.

—*New York Times Book Review*

Distributed worldwide by the American Mathematical Society.

1998; ISBN 0-7868-6362-5; 302 pages; Hardcover; **All AMS members \$16**, List \$23, Order Code MLONC194

Independent Study

Lectures on the Mathematics of Finance

Ioannis Karatzas, *Columbia University, New York*

Provides an excellent introduction to a wide range of topics in mathematical finance.

—*Mathematical Reviews*

The young researcher/postgraduate student will be able to glance at the forefront of current research in mathematical finance. The author's clear and careful writing makes reading a pleasure. A lot of material, hitherto available only in research papers, will now reach a wider audience. This is a most useful addition to the fast growing literature on mathematical finance.

—*Short Book Reviews, a publication of the International Statistical Institute*

CRM Monograph Series, Volume 8; 1997; ISBN 0-8218-0909-1; 148 pages; Softcover; **All AMS members \$31**, List \$39, Order Code CRMM/8.SCI94

Supplementary Reading

Elliptic Functions and Elliptic Integrals

Viktor Prasolov, *Independent University of Moscow, Russia*, and Yuri Solovyev, *Moscow State University, Russia*

A wonderful choice of topics, delivered in a concrete and lively style ... provide a lively introduction to many classical topics that lie at the foundations of contemporary algebra, number theory and algebraic geometry.

—*Mathematical Reviews*

Translations of Mathematical Monographs, Volume 170; 1997; ISBN 0-8218-0587-8; 185 pages; Hardcover; **Individual member \$47**, List \$79, Institutional member \$63, Order Code MMONO/170C194

Supplementary Reading

Knots, Links, Braids and 3-Manifolds: An Introduction to the New Invariants in Low-Dimensional Topology

V. V. Prasolov, *Moscow, Russia*, and A. B. Sossinsky, *Institute of Electronics and Mathematics, Moscow, Russia*

Provides an excellent introduction both to classical material and recent developments in 3-dimensional topology and knot theory. The presentation is elementary and extremely clear ... should not be missing on the bookshelf of any working and/or teaching low dimensional topologist.

—*Zentralblatt für Mathematik*

The exposition is excellent throughout. Proofs are clearly illustrated with beautifully drawn diagrams. The text is liberally supplied with exercises, with solutions at the back of the book ... The first part of the book ... would make a good basis for an undergraduate course, and the whole book is just perfect for a graduate course.

—*Bulletin of the London Mathematical Society*

An essentially complete elementary introduction to some important aspects of 3-dimensional topology ... elegantly written with many helpful and well-drawn figures ... the book is self-contained and is accessible to a wide audience including beginning graduate students ... very well written, in a detailed yet comfortable style. I recommend it both to those requiring a foundation for further study of quantum invariants of 3-manifolds and to those wishing a comprehensive introduction to the classical concepts of links and 3-manifolds.

—*Mathematical Reviews*

Translations of Mathematical Monographs, Volume 154; 1997; ISBN 0-8218-0898-2; 239 pages; Softcover; **All AMS members \$39**, List \$49, Order Code MMONO/154.SCI94

Supplementary Reading

Mathematics of Fractals

Masaya Yamaguti, *Ryukoku University, Ohtsu, Japan*, and Masayoshi Hata and Jun Kigami, *Kyoto University, Japan*

Pleasant reading ... encourages the reader who is interested in fractals and their properties to pursue the study of the subject.

—*Mathematical Reviews*

Translations of Mathematical Monographs, Volume 167; 1997; ISBN 0-8218-0537-1; 78 pages; Hardcover; **All AMS members \$23**, List \$29, Order Code MMONO/167C194

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