

PUBLICATIONS of CONTINUING INTEREST

In Praise of AMS Publications

AMS Publications continue to receive positive peer reviews from scholarly journals, including *SIAM Review*, *Bulletin of the LMS*, and *Zentralblatt für Mathematik*.

Integer-Valued Polynomials

Paul-Jean Cahen and Jean-Luc Chabert, *Faculté de Science de St Jerome, Marseille, France*

The authors succeeded in presenting everything of importance in the theory of integer-valued polynomials and this short review cannot do justice to the rich contents of their book. The presentation of the material is very good and the book offers a pleasant reading.

—*Zentralblatt für Mathematik*

Mathematical Surveys and Monographs, Volume 48; 1997; ISBN 0-8218-0388-3; 322 pages; Hardcover; **Individual member \$45**, List \$75, Institutional member \$60, Order Code SURV/48C1812

On Being a Department Head, a Personal View

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

Conway's book is a worthwhile read and, if you are an administrator, a place to go for a soul mate wrestling with similar problems, for advice if not consolation, or just as a resource for new ideas and discussion.

—*SIAM Review*

1997; ISBN 0-8218-0615-7; 107 pages; Softcover; **All AMS members \$19**, List \$24, Order Code AHEADC1812

Mathematics and Mathematicians Mathematics in Sweden before 1950

Lars Gårding, *Lund University, Sweden*

Gives an in-depth look at the mathematical scene in Sweden ... This is a book written by a mathematician for mathematicians—besides biographical and historical material, the author devotes much space to the mathematical content involved. He does not hesitate to express his opinions, often with a dry wit.

—*Zentralblatt für Mathematik*

Co-published 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 13; 1998; ISBN 0-8218-0612-2; 288 pages; Hardcover; **Individual member \$45**, List \$75, Institutional member \$60, Order Code HMATH/13C1812

The Embedding Problem in Galois Theory

V. V. Ishkhanov, B. B. Lur'e, and D. K. Faddeev, *Russian Academy of Sciences, St. Petersburg*

The English translation is particularly welcome because it contains a full and simplified proof of the existence theorem of Shafarevich for normal extensions of an algebraic number field with given solvable Galois group.

—*Zentralblatt für Mathematik*

Translations of Mathematical Monographs, Volume 165; 1997; ISBN 0-8218-4592-6; 182 pages; Hardcover; **Individual member \$53**, List \$89, Institutional member \$71, Order Code MMONO/165C1812

Bordism, Stable Homotopy and Adams Spectral Sequences

Stanley O. Kochman, *York University, North York, ON, Canada*

The contents of Kochman's book look promising to the would-be student, with five well-balanced chapters augmented by sections on further reading ... clearly self-contained ... beautifully produced.

—*Bulletin of the London Mathematical Society*

Fields Institute Monographs, Volume 7; 1996; ISBN 0-8218-0600-9; 272 pages; Hardcover; **All AMS members \$39**, List \$49, Order Code FIM/7C1812

Symmetric Functions and Orthogonal Polynomials

I. G. Macdonald, *Queen Mary College, University of London, England*

Can serve as a self-contained introduction for anyone with some background in symmetric functions and root systems.

—*Zentralblatt für Mathematik*

University Lecture Series, Volume 12; 1998; ISBN 0-8218-0770-6; 53 pages; Softcover; **All AMS members \$15**, List \$19, Order Code ULECT/12C1812

Fine Regularity of Solutions of Elliptic Partial Differential Equations

Jan Malý, *Charles University, Prague, Czech Republic*, and
William P. Ziemer, *Indiana University, Bloomington*

Very well written and may be read at different levels. Some parts may be used in a postgraduate course in advanced PDEs but for sure it is useful for all researchers who study regularity of solutions of elliptic PDEs via real analysis techniques.

—*Zentralblatt für Mathematik*

Mathematical Surveys and Monographs, Volume 51; 1997; ISBN 0-8218-0335-2; 291 pages; Hardcover; **Individual member \$45**, List \$75, Institutional member \$60, Order Code SURV/51C1812

Independent Study

Recommended Text

Introduction to Homotopy Theory

Paul Selick, *University of Toronto, ON, Canada*

A comprehensive introduction to many topics in algebraic topology up to the tools currently used in research ... the author has pulled off a real tour de force ... could serve as an excellent route into some of the most exciting topics in mathematics.

—*Zentralblatt für Mathematik*

Fields Institute Monographs, Volume 9; 1997; ISBN 0-8218-0690-4; 188 pages; Hardcover; **All AMS members \$39**, List \$49, Order Code FIM/9C1812



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