

PUBLICATIONS *of* CONTINUING INTEREST

RECENTLY REVIEWED WORKS

Comments from the following reviews published in renowned mathematical journals make evident the top-notch material produced by the AMS publishing program. To order, contact AMS Customer Services (see contact info below), or visit us on the Web at www.ams.org/bookstore.

Poincaré and the Three Body Problem

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

An interesting insight into the late 19th-century mathematical community and an account of [Poincaré's] memoirs reception and impact ... clearly organized, well written, richly documented ... a highly valuable contribution to the history of modern mathematics.

—*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 11; 1996; ISBN 0-8218-0367-0; 272 pages; Softcover; All AMS members \$31, List \$39, Order Code HMATH/11CI88

Spectral Graph Theory

Fan R. K. Chung, *University of Pennsylvania, Philadelphia*

Incorporates a great deal of recent work, much of it due to the author herself ... clear, without being pedantic, and challenging, without being obscure.

—*Bulletin of the London Mathematical Society*

CBMS Regional Conference Series in Mathematics, Number 92; 1996; ISBN 0-8218-0315-8; 207 pages; Softcover; All Individuals \$20, List \$25, Order Code CBMS/92CI88

Independent Study

Supplementary Reading

Independent Study

Topics in Classical Automorphic Forms

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

The author discusses many important topics in the theory of automorphic forms which are rarely seen in the textbooks available on the subject ... the presentation of the proofs ... is ... unusual, and this may give the reader a different flavor of the subject ... graduate students will certainly benefit from this book.

—*Mathematical Reviews*

Graduate Studies in Mathematics, Volume 17; 1997; ISBN 0-8218-0777-3; 259 pages; Hardcover; All AMS members \$31, List \$39, Order Code GSM/17CI88

Algebra and Geometry: Japanese Grade 11

Kunihiko Kodaira, *Gakushuin University, Tokyo, Japan, Editor*

Contains four chapters of excellent examples and well-designed problems ... the strength of the book lies in the way that each chapter is related to the others through the design of the problems and examples ... would be a good resource for high school algebra teachers and would be an exceptional resource for teachers of analytic geometry.

—*The Mathematics Teacher*

Mathematical World, Volume 10; 1996; ISBN 0-8218-0581-9; 174 pages; Softcover; All AMS members \$19, List \$24, Order Code MAWRD/10CI88

Equivariant Homotopy and Cohomology Theory

J. P. May, *University of Chicago, IL*

Absolutely necessary to have this guide-book on the desk ... applies to the advanced student as well as to the educated scientist. The presentation is clear, reliable, informative and motivating ... there is no comparable recent book in algebraic topology ... almost certainly guides further research.

—*Bulletin of the London Mathematical Society*

CBMS Regional Conference Series in Mathematics, Number 91; 1996; ISBN 0-8218-0319-0; 366 pages; Softcover; All Individuals \$39, List \$49, Order Code CBMS/91CI88

Index Theory, Coarse Geometry, and Topology of Manifolds

John Roe, *University of Oxford, England*

A clear introduction to a subject which is obviously quite complicated ... for those interested in acquainting themselves with the C^ -algebraic index theory and its applications, the entire book should be required reading.*

—*Bulletin of the London Mathematical Society*

CBMS Regional Conference Series in Mathematics, Number 90; 1996; ISBN 0-8218-0413-8; 100 pages; Softcover; All Individuals \$14, List \$17, Order Code CBMS/90CI88

Metrics, Connections and Gluing Theorems

Clifford Henry Taubes, *Harvard University, Cambridge, MA*

Easy to read ... well written in a pleasant, informal style, with occasional humour ... should be accessible to graduate students in differential geometry and others.

—*Bulletin of the London Mathematical Society*

CBMS Regional Conference Series in Mathematics, Number 89; 1996; ISBN 0-8218-0323-9; 90 pages; Softcover; All Individuals \$12, List \$15, Order Code CBMS/89CI88

Independent Study

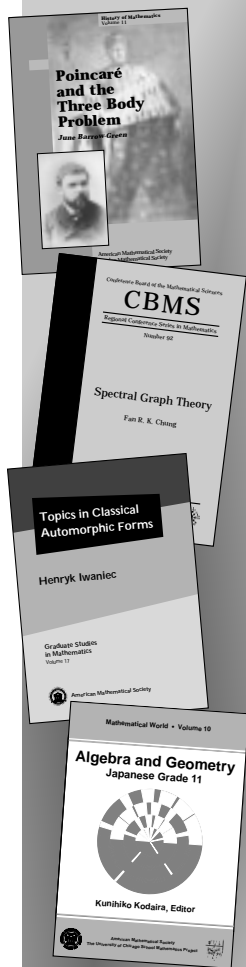
An Introduction to Algebraic Geometry

Kenji Ueno, *Kyoto University, Japan*

Written by one of the most outstanding experts in contemporary algebraic geometry and its now ubiquitous applications in mathematical physics ... without any doubt, this textbook, designed for very beginners in algebraic geometry, serves its purpose in a commendable manner. It is perfectly suited for teaching (and learning) the basic ideas of algebraic geometry at the undergraduate level, written with didactic empathy and experience, and it provides sufficient background material, intuitive understanding and computational skills for a profound study of more advanced textbooks.

—*Zentralblatt für Mathematik*

Translations of Mathematical Monographs, Volume 166; 1997; ISBN 0-8218-0589-4; 246 pages; Hardcover; Individual member \$47, List \$79, Institutional member \$63, Order Code MMONO/166CI88



All prices subject to change. Charges for delivery are \$3.00 per order. For optional air delivery outside of the continental U. S., please include \$6.50 per item. *Prepayment required.* Order from: American Mathematical Society, P. O. Box 5904, Boston, MA 02206-5904, USA. For credit card orders, fax 1-401-455-4046 or call toll free 1-800-321-4AMS (4267) in the U. S. and Canada, 1-401-455-4000 worldwide. Or place your order through the AMS bookstore at www.ams.org/bookstore. Residents of Canada, please include 7% GST.



For more publications in your subject area visit the AMS Bookstore: www.ams.org/bookstore