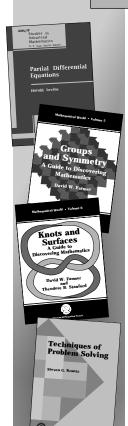
AMERICAN MATHEMATICAL SOCIETY

PUBLICATIONS of CONTINUING INTEREST



Undergraduate Texts from the AMS

This selection of texts represents those most often adopted for undergraduate-level courses. Colleges and universities currently using these texts include Allegheny College, Dartmouth College, Lehigh University, Massachusetts Institute of Technology, St. Louis University, St. Olaf College, Stanford University, University of Alabama, University of Houston, and Western Illinois University, among others.

Visit the AMS Bookstore at www.ams.org/bookstore for more information and to view the Table of Contents of these and other texts, or visit the AMS exhibit at Mathfest in Toronto, July 16-18. And visit e-MATH, the AMS Web site, to learn more about our upcoming Undergraduate Studies in Mathematics series.

Groups and Symmetry: A Guide to **Discovering Mathematics**

David W. Farmer, Bucknell University, Lewisburg, PA

On the basis of this book it is possible to tailor a good course for high school students to really discover mathematics.

—Zentralblatt für Mathematik

Written in a lively conversational style ... entertaining, and sometimes provoking, and will doubtlessly prove useful to its intended audience. -Mathematical Reviews

Mathematical World, Volume 5; 1995; ISBN 0-8218-0450-2; 102 pages; Softcover; All AMS members \$15, List \$19, Order Code MAWRLD/5CI86

Knots and Surfaces: A Guide to Discovering Mathematics

David W. Farmer, Bucknell University, Lewisburg, PA, and Theodore B. Stanford, University of Nevada, Reno

The book is perfectly suited to a course for non-science majors ... All the sections have worked well at sparking student interest and convincing them that math is much more interesting than mere number-crunching and graphing. -Professor William Bloch, Wheaton College

Would serve well as the basis of an independent study course ... the writing is clear and engaging .

—American Mathematical Monthly

Mathematical World, Volume 6; 1995; ISBN 0-8218-0451-0; 101 pages; Softcover; All AMS members \$15, List \$19, Order Code MAWRLD/6CI86

The Theory of Probability and the **Elements of Statistics**

R. V. Gnedenko

Extremely well written ... suitable for individual study *Gnedenko's book is a milestone in the writing on probability* -Science

AMS/Chelsea; 1997; ISBN 0-8284-1132-8; 529 pages; Hardcover; All AMS members \$22, List \$24, Order Code CHEL/132Cl86

Introduction to Probability Second Revised Edition

Charles M. Grinstead, Swarthmore College, PA, and

J. Laurie Snell, Dartmouth College, Hanover, NH 1997; ISBN 0-8218-0749-8; 510 pages; Hardcover; All AMS members \$39, List \$49, Order Code IPROBCI86

Matters Mathematical

I. N. Herstein and I. Kaplansky

The book originates from lectures for nonmajors in mathematics which were expanded to give a text which could also be used as general introductory material for mathematics students, especially for future teachers

—Mathematical Reviews

AMS/Chelsea; 1997; ISBN 0-8284-0300-7; 246 pages; Hardcover; All AMS members \$17, List \$19, Order Code CHEL/300CI86

Set Theory and Metric Spaces

Irving Kaplansky

AMS/Chelsea; 1997; ISBN 0-8284-0298-1; 140 pages; Hardcover; All AMS members \$13, List \$14, Order Code

Techniques of Problem Solving

Steven G. Krantz, Washington University, St. Louis, MO

Krantz has collected a thoroughly engaging arsenal of problems and problem-solving techniques ... It is well written in a style that encourages the reader to become actively involved After a delightful introductory chapter, the chapters are primarily organized around specific techniques and their applicability in areas such as geometry, logic, recreational math, and counting. The book is written in a linear fashion that makes it advisable to tackle problems in sequential order ... would be an excellent tool for teaching novices to read some mathematics. -CHOICE

1996; ISBN 0-8218-0619-X; 465 pages; Softcover; All AMS members \$23, List \$29, Order Code TPSCI86

Partial Differential Equations

Harold Levine, Stanford University, CA

Titles in this series are co-published with International Press, Cambridge, MA.

AMS/IP Studies in Advanced Mathematics, Volume 6; 1997; ISBN 0-8218-0775-7; 706 pages; Hardcover; **All AMS members** \$55, List \$69, Order Code AMSIP/6CI86

Algebra

Saunders MacLane and Garrett Birkhoff

The book is clearly written, beautifully organized, and has an excellent and wide-ranging supply of exercises ... contains ample material for a full-year course on modern algebra at the undergraduate level.

-Mathematical Reviews

AMS/Chelsea; 1997; ISBN 0-8284-0330-9; 626 pages; Hardcover; All AMS members \$30, List \$33, Order Code

All prices subject to change. Charges for delivery are \$3.00 per order. For optional air delivery outside of the An 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