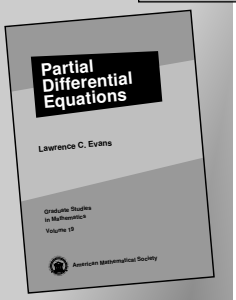
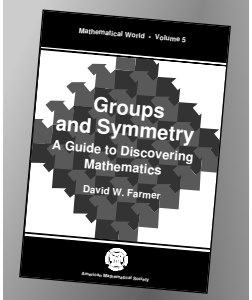
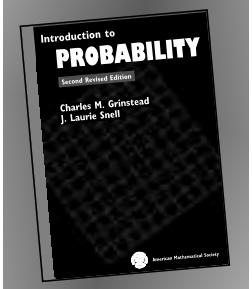
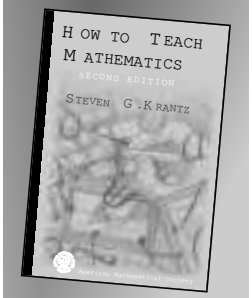
AMERICAN MATHEMATICAL SOCIETY

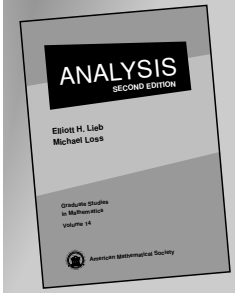
PUBLICATIONS *of* CONTINUING INTEREST











Popular Texts for Course Adoption

AMS textbooks continue to be a vital tool for classroom instruction. Below is just a sample of the many books that have been adopted for courses at universities nationwide, including University of Washington, Northwestern University, Georgia Tech, Cornell, University of California, Columbia, and many others. To learn more about these and other recommended textbooks available from the AMS, visit the AMS Bookstore at **www.ams.org/bookstore.**

Partial Differential Equations

Lawrence C. Evans, *University of California, Berkeley*

The ideas are clearly explained and the principal definitions and theorems are carefully stated. It is entirely possible that the Evans PDE text could eventually become the benchmark. It is a standard treatment with good notation. It is extremely well written, with a very attractive format.

—SIAM Review

Graduate Studies in Mathematics, Volume 19; 1998; ISBN 0-8218-0772-2; 662 pages; Hardcover; **All AMS members $60**, List $75, Order Code GSM/19CT203

Groups and Symmetry: A Guide to Discovering Mathematics

David W. Farmer, *Bucknell University, Lewisburg, PA*

Nicely produced and concentrates on the informal analysis of geometrical patterns with the emphasis on informality … could serve as a useful collection of activities to precede a formal course and would provide a range of intuitive experiences to which the more formal treatment could refer.

—The Mathematical Gazette

On the basis of this book it is possible to tailor a good course for high school students to really discover mathematics … for anyone who is working with high school students in an advanced level the book is really recommended.

—Zentralblatt für Mathematik

Mathematical World, Volume 5; 1996; ISBN 0-8218-0450-2; 102 pages; Softcover; **All AMS members $16**, List $20, Order Code MAWRLD/5CT203

Introduction to Probability
Second Revised Edition

Charles M. Grinstead, *Swarthmore College, PA*, and **J. Laurie Snell**, *Dartmouth College, Hanover, NH*

The book is a beautiful introduction to probability theory at the beginning level. The book contains a lot of examples and an easy development of theory without any sacrifice of rigor, keeping the abstraction to a minimal level. It is indeed a valuable addition to the study of probability theory.

—Zentralblatt für Mathematik

1997; ISBN 0-8218-0749-8; 510 pages; Hardcover; **All AMS members $41**, List $51, Order Code IPROBCT203

How to Teach Mathematics, Second Edition

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

Since the first edition of How to Teach Mathematics *the increasing maturity of both traditionalist and reform movements has given Krantz more insights into the teaching of mathematics. The book is intended primarily for the graduate student or novice instructor; however, the book is also valuable for others. Post-secondary instructors … Mathematics department heads … Teaching Development Centers … university administrators. In the appendices twelve other mathematics teachers comment in some way on Krantz's text and give some insight into other approaches to teaching. This book is a must read for instructors preparing their courses for next semester.*

—MAA Online

1999; ISBN 0-8218-1398-6; 307 pages; Softcover; **All AMS members $20**, List $25, Order Code HTM/2CT203

Analysis
Second Edition

Elliott H. Lieb, *Princeton University, NJ*, and **Michael Loss**, *Georgia Institute of Technology, Atlanta*

The essentials of modern analysis … are presented in a rigorous and pedagogical way … readers … are guided to a level where they can read the current literature with understanding … treatment of the subject is as direct as possible.

—Zentralblatt für Mathematik

Lieb and Loss offer a practical presentation of real and functional analysis at the beginning graduate level … could be used as a two-semester introduction to graduate analysis … not all of the topics covered are typical. The authors introduce the subject with a thorough presentation … [an] informative exposition.

—CHOICE

Graduate Studies in Mathematics, Volume 14; 2001; ISBN 0-8218-2783-9; 346 pages; Hardcover; **All AMS members $31**, List $39, Order Code GSM/14.RCT203

Chaotic Elections! A Mathematician Looks at Voting

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

Saari has written an original, topical, and enjoyable book combining thoughtful social commentary with interesting and accessible mathematics. Read it and read it soon so that you can expand your mathematical horizons, upgrade your civic awareness, and sparkle at social events.

—MAA Online

2001; ISBN 0-8218-2847-9; 159 pages; Softcover; **All AMS members $18**, List $23, Order Code ELECTCT203

To order, call: 1-800-321-4AMS (4267), in the U.S. and Canada, or 1-401-455-4000; fax: 1-401-455-4046; email: cust-serv@ams.org. Visit the AMS Bookstore and order online at www.ams.org/bookstore. Or write to: American Mathematical Society, 201 Charles St., Providence, RI 02904-2294. Prices subject to change without notice.

AMS
AMERICAN MATHEMATICAL SOCIETY

For many more publications, visit the AMS Bookstore: www.ams.org/bookstore.