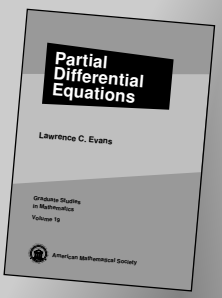
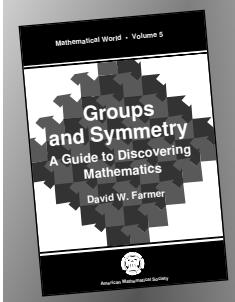
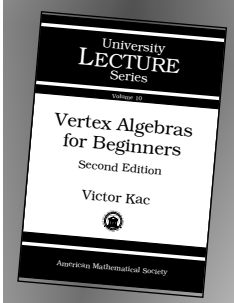
AMERICAN MATHEMATICAL SOCIETY

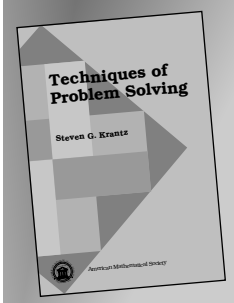
PUBLICATIONS *of* CONTINUING INTEREST

Bestselling Textbooks









Below is a selection of works from the Graduate Studies in Mathematics, Mathematical World, AMS Chelsea Publishing, and University Lecture Series, among others, that have been recently adopted for courses in a wide range of private and public colleges and universities.

Recommended Text

Partial Differential Equations

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

Highly recommend the book for students as well as for lectures in PDE.
—Monatshefte für Mathematik

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

For a student wishing to specialise in the theory of PDEs it provides a very solid foundation.
—The Mathematical Gazette

Graduate Studies in Mathematics, Volume 19; 1998; ISBN 0-8218-0772-2; 662 pages; Hardcover; **All AMS members $60**, List $75, Order Code GSM/19CT004

Recommended Text

Groups and Symmetry: A Guide to Discovering Mathematics

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

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; 1996; ISBN 0-8218-0450-2; 102 pages; Softcover; **All AMS members $15**, List $19, Order Code MAWRLD/5CT004

Recommended Text

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...
—Zentralblatt für Mathematik

1997; ISBN 0-8218-0749-8; 510 pages; Hardcover; **All AMS members $39**, List $49, Order Code IPROBCT004

Recommended Text

Vertex Algebras for Beginners
Second Edition

Victor Kac, *Massachusetts Institute of Technology, Cambridge*

Very good introductional book on vertex algebras.
—Zentralblatt für Mathematik

University Lecture Series, Volume 10; 1998; ISBN 0-8218-1396-X; 201 pages; Softcover; **All AMS members $23**, List $29, Order Code ULECT/10.RCT004

Recommended Tet

Analysis

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

Recommend the book to anybody who wants to learn about classical as well as modern mathematical analysis.
—European Mathematical Society Newsletter

Analysis *is a unique book. It is written very much from the perspective of a user of analysis ... I do not know of any other book that shows so well what it takes to do research in applied and variational analysis or to solve real analysis problems as they naturally arise in mathematical physics and quantum mechanics ...*
—Bruno Nachtergaele, University of California, Davis

It is perhaps the best text for students wanting to specialize in harmonic analysis or PDE.
—Jose Barrionuevo, University of South Alabama, Mobile

Graduate Studies in Mathematics, Volume 14; 1997; ISBN 0-8218-0632-7; 278 pages; Hardcover; **All AMS members $28**, List $35, Order Code GSM/14CT004

Recommended Text

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.
—CHOICE

1997; ISBN 0-8218-0619-X; 465 pages; Softcover; **All AMS members $23**, List $29, Order Code TPSCT004

Solutions Manual for Techniques of Problem Solving

Luis Fernández and **Haedeh Gooransarab**, *Washington University, St. Louis, MO*, with assistance from **Steven G. Krantz**

1997; ISBN 0-8218-0628-9; 188 pages; Softcover; **All AMS members $10**, List $12, Order Code SMTPSCT004

Recommended Text

Algebra
Third Edition

Saunders Mac Lane, *University of Chicago, IL*, 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 Publishing; 1988; ISBN 0-8218-1646-2; 626 pages; Hardcover; **All AMS members $35**, List $39, Order Code CHEL/330.HCT004

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.

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