

Back Matter



The American Mathematical Monthly, Vol. 106, No. 7. (Aug. - Sep., 1999)

Stable URL:

<http://links.jstor.org/sici?sici=0002-9890%28199908%2F09%29106%3A7%3C%3ABM%3E2.0.CO%3B2-4>

The American Mathematical Monthly is currently published by Mathematical Association of America.

Your use of the JSTOR archive indicates your acceptance of JSTOR's Terms and Conditions of Use, available at <http://www.jstor.org/about/terms.html>. JSTOR's Terms and Conditions of Use provides, in part, that unless you have obtained prior permission, you may not download an entire issue of a journal or multiple copies of articles, and you may use content in the JSTOR archive only for your personal, non-commercial use.

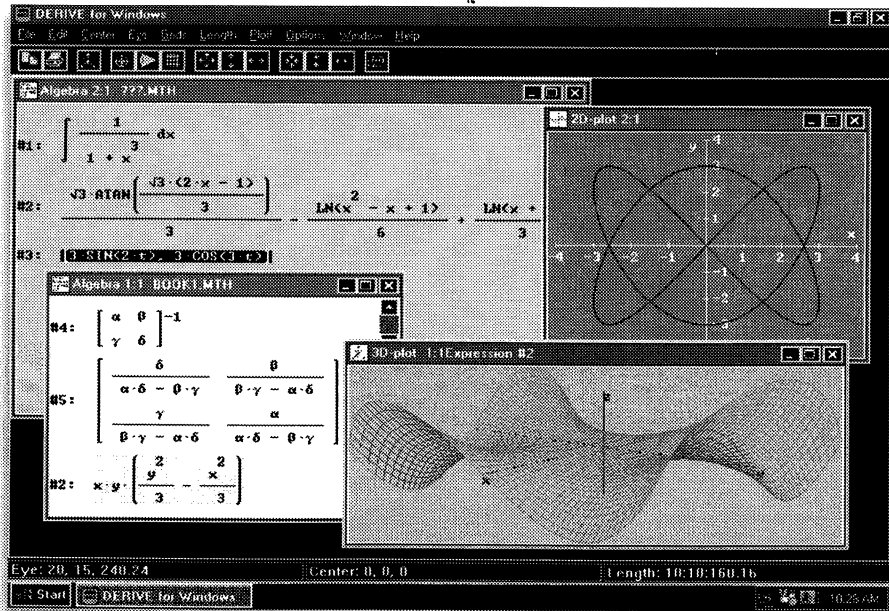
Please contact the publisher regarding any further use of this work. Publisher contact information may be obtained at <http://www.jstor.org/journals/maa.html>.

Each copy of any part of a JSTOR transmission must contain the same copyright notice that appears on the screen or printed page of such transmission.

The JSTOR Archive is a trusted digital repository providing for long-term preservation and access to leading academic journals and scholarly literature from around the world. The Archive is supported by libraries, scholarly societies, publishers, and foundations. It is an initiative of JSTOR, a not-for-profit organization with a mission to help the scholarly community take advantage of advances in technology. For more information regarding JSTOR, please contact support@jstor.org.

NEW!

**Site Licenses and Student Pricing.
See www.derive.com**



DERIVE for Windows

DERIVE is the trusted mathematical assistant relied upon by students, educators, engineers, and scientists around the world. It does for algebra, equations, trigonometry, vectors, matrices, and calculus what the scientific calculator does for numbers — it eliminates the drudgery of performing long and tedious mathematical calculations. You can easily solve both symbolic and numeric problems and see the results plotted as 2D or 3D graphs.

For everyday mathematical work *DERIVE* is a tireless, powerful, and knowledgeable assistant. For teaching or learning mathematics, *DERIVE* gives

you the freedom to explore different mathematical approaches better and more quickly than by using traditional methods.

System Requirements:

Windows 95, 3.1x or NT running on a computer with 8 megabytes of memory.

Suggested Retail Price: \$250.
Educational pricing available.

For product information and list of dealers, fax, email, write, or call Soft Warehouse, Inc. or visit our website at <http://www.derive.com>.

The Easiest just got Easier.

 **Soft Warehouse**
HONOLULU • HAWAII

© 1996 Soft Warehouse, Inc. *DERIVE* is a registered trademark of Soft Warehouse, Inc. Other trademarks are the property of their respective owners.

Soft Warehouse, Inc. • 3660 Waiialae Avenue
Suite 304 • Honolulu, Hawaii, USA 96816-3259
Telephone: (808) 734-5801 after 10:00 a.m. PST
Fax: (808) 735-1105 • Email: swh@aloha.com

RELY ON CAMBRIDGE FOR ALL YOUR TEACHING AND LEARNING NEEDS!

Introductory Lectures on Rings and Modules

J. Beachy

A highly accessible introduction to the study of the noncommutative aspects of rings and modules. Ideal as a first-year graduate text or as a reference for advanced undergraduates.

London Mathematical Society Student Texts 47

1999 246 pp.
0-521-64340-6 Hardback \$64.95
0-521-64407-0 Paperback \$29.95

Geometry

David A. Brannan, Matthew F. Esplen, and Jeremy J. Gray

A richly illustrated exploration of various geometries: affine, projective, inversive, non-Euclidean and spherical. Includes full solutions to over 200 problems.

1999 510 pp.
0-521-59193-7 Hardback \$74.95
0-521-59787-0 Paperback \$29.95

Mathematical Explorations with MATLAB

Ke Chen, Peter J. Giblin, and Alan Irving

Surveys the mathematics most frequently encountered in first-year university courses through the use of MATLAB, a powerful software package. All extras to the standard MATLAB package are supplied on the World Wide Web.

1999 320 pp.
0-521-63078-9 Hardback \$64.95
0-521-63920-4 Paperback \$24.95

The Mathematica® Book, Version 4

Fourth Edition

Stephen Wolfram

From the reviews of the previous edition:

"Perhaps the finest book ever assembled on a software package."—Amazon.com

Copublished with Wolfram Media

1999 1496 pp.
0-521-64314-7 Hardback \$49.95

An Introduction to Mathematical Finance

Options and Other Topics

Sheldon M. Ross

A mathematically elementary entrée to options pricing theory. The text requires no prior knowledge of probability and covers all the necessary preliminaries simply and clearly.

1999 224 pp.
0-521-77043-2 Hardback \$34.95

Elementary Number Theory in Nine Chapters

James J. Tattersall

A superb text for a one-semester introductory course in number theory. Tattersall adopts a historical perspective and emphasizes the subject's applied aspects, especially cryptography.

1999 c.413 pp.
0-521-58503-1 Hardback \$74.95
0-521-58531-7 Paperback \$34.95

Fourier Analysis on Finite Groups and Applications

Audrey Terras

A gentle introduction to Fourier analysis on finite groups. Terras presents a concrete approach to abstract group theory through applied examples, pictures and computer experiments.

London Mathematical Society Student Texts 43

1999 452 pp.
0-521-45108-6 Hardback \$74.95
0-521-45718-1 Paperback \$29.95

Contemporary Issues in Mathematics Education

Estela A. Gavosto, Steven G. Krantz, and William McCallum, Editors

Presents a serious discussion of current educational issues, with a balanced representation of opposing ideas.

Mathematical Sciences Research Institute Publications 36

1999 184 pp.
0-521-65255-3 Hardback \$54.95
0-521-65471-8 Paperback \$19.95

Available in bookstores or from

CAMBRIDGE
UNIVERSITY PRESS

40 West 20th Street, New York, NY 10011-4211
Call toll-free 800-872-7423
Web site: <http://www.cup.org>
MasterCard/VISA accepted. Prices subject to change.

CALL FOR MANUSCRIPTS

The AMS invites authors to submit manuscripts to be considered for publication in the **Student Mathematical Library**, a new series of undergraduate studies in mathematics. Books to be published in the series should be suitable for honors courses, upper-division seminars, reading courses, or self-study.

The following perspectives may serve as guidelines:

- Continuations from standard undergraduate courses: Topics may include coding theory, following on from number theory and/or algebra, Fourier series from analysis or ODEs, and elementary PDEs from analysis and ODEs, or others.
- Introducing students to topics covered in graduate school: Appropriate subjects may include for example, introductory differential geometry, minimal surfaces, introductory algebraic geometry, topics in representation theory, complex analysis, or probability.
- Covering topics outside the standard undergraduate curriculum: Such topics may include game theory, mathematical physics, mathematics of finance, mathematical biology, or others.

Manuscripts intended for submission should ideally contain problems either within the body of the text or at the end of each chapter or section. Connections to current research are encouraged. This could take the form of reports on recent results and/or lists of open problems of continuing interest.

For more information contact:

Sergei Gelfand, Director of Acquisitions (sxxg@ams.org) or Edward Dunne, Editor for the Book Program (egd@ams.org), at the American Mathematical Society, P. O. Box 6248, Providence, RI 02940-6248, U.S.A.; telephone 1-800-321-4267 (U.S. and Canada) or 1-401-455-4000 (worldwide); fax 1-401-331-3842.

Titles currently published in this series ...

Recommended Text

An Introduction to the Mathematical Theory of Waves

Roger A. Knobel, *University of Texas-Pan American, Edinburg*

Volume 3; 2000; ISBN 0-8218-2039-7; approximately 200 pages; Softcover; **All AMS members \$18**, List \$23, Order Code STML/3MM98

Recommended Text

Lectures on Contemporary Probability

Gregory F. Lawler, *Duke University, Durham, NC*, and Lester N. Coyle, *Loyola College, Baltimore, MD*

Volume 2; 1999; ISBN 0-8218-2029-X; 99 pages; Softcover; **All AMS members \$14**, List \$17, Order Code STML/2MM98

Supplementary Reading

Miles of Tiles

Charles Radin, *University of Texas, Austin*

Volume 1; 1999; ISBN 0-8218-1933-X; 120 pages; Softcover; **All AMS members \$13**, List \$16, Order Code STML/1MM98

Advance Notice

Independent Study

Prime Numbers and Their Distribution

Gérald Tenenbaum, *Université Henri Poincaré, Nancy I, France*, and Michel Mendès France, *Université Bordeaux I, France*

2000; ISBN 0-8218-1647-0; approximately 120 pages; Softcover; **All AMS members \$14**, List \$17, Order Code STML-TENENBAUMM98

To purchase any of these titles:

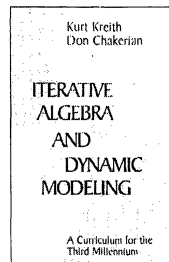
Order from: **American Mathematical Society**, P. O. Box 5904, Boston, MA 02206-5904, USA. All prices subject to change. Charges for delivery are \$3.00 per order. For optional air delivery outside of the continental U.S., please include \$6.50 per item. *Prepayment required.* For credit card orders, 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.

SPRINGER FOR MATHEMATICS

KURT KREITH and **G. DONALD CHAKERIAN**, both,
University of California at Davis

ITERATIVE ALGEBRA AND DYNAMIC MODELING

A Curriculum for the Third Millennium



Iterative Algebra and Dynamic Modeling links together the use of technology (Excel®, Stella®) and modern mathematical techniques to explore the interaction of algebra (at the precalculus level) with computer and graphing calculator

technology. The book will find use in a variety of college courses, and also in enrichment courses at the high school level.

1999/331 PP., 192 ILLUS./HARDCOVER/\$49.95
ISBN 0-387-98758-4
TEXTBOOKS IN MATHEMATICAL SCIENCES

MICHAEL W. FRAZIER, Michigan State University

AN INTRODUCTION TO WAVELETS THROUGH LINEAR ALGEBRA

This purpose of this text is to bring together different topics covered in the undergraduate curriculum and introduce students to current developments in mathematics and their applications. The only prerequisites assumed are a basic linear algebra background and a bit of analysis background.

1999/516 PP., 46 ILLUS./HARDCOVER/\$49.95
ISBN 0-387-98639-1
UNDERGRADUATE TEXTS IN MATHEMATICS

JAMES J. CALLAHAN, Smith College, Northampton, MA

THE GEOMETRY OF SPACETIME

An Introduction to Special and General Relativity

In *The Geometry of Spacetime*, James Callahan explores the way an individual observer views the world and how a pair of observers collaborate to gain objective knowledge of the world. To encompass both the general and special theory, Callahan uses the geometry of spacetime as the unifying theme of the book.

1999/APP. 456 PP., 217 ILLUS./HARDCOVER/\$49.95
ISBN 0-387-98641-3
UNDERGRADUATE TEXTS IN MATHEMATICS



SABER N. ELAYDI, Trinity University, San Antonio, TX

AN INTRODUCTION TO DIFFERENCE EQUATIONS

Second Edition

This book integrates both classical and modern treatments of difference equations. It contains the most updated and comprehensive material on stability, Z-transform, discrete control theory and asymptotic theory, continued fractions, and orthogonal polynomials. The presentation is simple enough for the book to be used by advanced undergraduate and beginning graduate students in mathematics, engineering science, and economics.

1999/APP. 480 PP., 64 ILLUS./HARDCOVER/\$54.95
ISBN 0-387-98830-0
UNDERGRADUATE TEXTS IN MATHEMATICS

SERGE LANG, Yale University, New Haven, CT

MATH TALKS FOR UNDERGRADUATES

For many years Serge Lang has given talks to undergraduates on selected items in mathematics which could be extracted at a level understandable by students who have had calculus. Written in a conversational tone, Lang now presents a collection of those talks as a book. The talks could be given by faculty, but even better, they may be given by students in seminars run by the students themselves. Topics covered include prime numbers, the abc conjecture, approximation theorems of analysis, Bruhat-Tits spaces, harmonic and symmetric polynomials, and more.

1999/129 PP., 16 ILLUS./SOFTCOVER/\$29.95
ISBN 0-387-98749-5

Co-published by Birkhäuser and Springer

GEORGE GRÄTZER, University of Manitoba, Winnipeg, Canada

FIRST STEPS IN LATEX

A Short Course

1999/APP. 136 PP., 10 ILLUS./SOFTCOVER/\$19.95
ISBN 0-8176-4132-7

Order Today!

Call: 1-800-SPRINGER or Fax: (201)-348-4505

Write: Springer-Verlag New York, Inc.,
Dept. S1303, PO Box 2485, Secaucus, NJ
07096-2485 • **Visit:** Your local technical bookstore

E-mail: orders@springer-ny.com • **Instructors:** Call
or write for information on textbook exam copies

YOUR 30-DAY RETURN PRIVILEGE IS ALWAYS
GUARANTEED!

8-9/99

Promotion Number S1303

THE MATHEMATICAL ASSOCIATION OF AMERICA

1529 Eighteenth Street, N.W.
Washington, DC 20036

