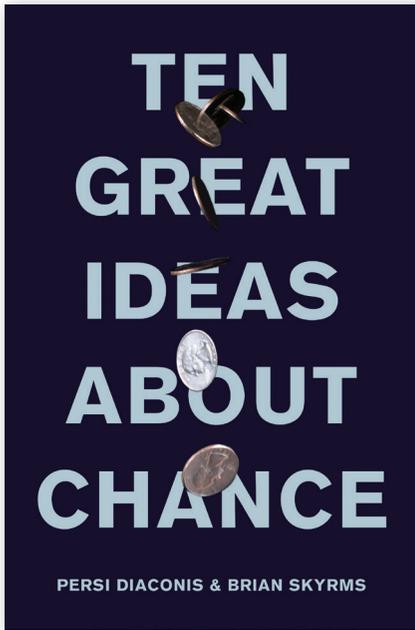


Mathematics 2018





2017. 272 pages. 25 halftones. 8 tables. 19 line illus.
Cl: 978-0-691-17416-7 \$27.95 | £22.95

“[A] welcome contribution to the slim body of recent works that popularize chance. It invites readers to the examples with ease, and it raises far-reaching, thought-provoking questions.”

—Joseph Mazur, author of *Fluke*

Ten Great Ideas about Chance

In the sixteenth and seventeenth centuries, gamblers and mathematicians transformed the idea of chance from a mystery into the discipline of probability, setting the stage for a series of breakthroughs that enabled or transformed innumerable fields, from gambling, mathematics, statistics, economics, and finance to physics and computer science. This book tells the story of ten great ideas about chance and the thinkers who developed them.

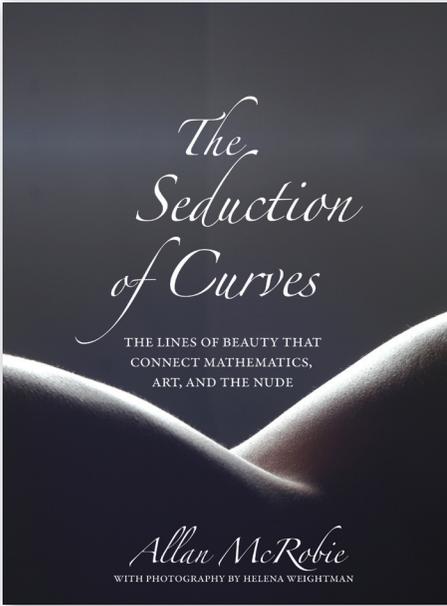
Persi Diaconis and Brian Skyrms begin with Gerolamo Cardano, a sixteenth-century physician, mathematician, and professional gambler who helped develop the idea that chance actually can be measured. They describe how later thinkers showed how chance, judgment, and frequency could be unified. Diaconis and Skyrms explain how Thomas Bayes laid the foundation of modern statistics, and they explore David Hume’s problem of induction, Andrey Kolmogorov’s general mathematical framework for probability, the application of computability to chance, and why chance is essential to modern physics. A final idea—that we are psychologically predisposed to error when judging chance—is taken up through the work of Daniel Kahneman and Amos Tversky.

Complete with a brief probability refresher, *Ten Great Ideas about Chance* is certain to be a hit with anyone who wants to understand the secrets of probability and how they were discovered.

PERSI DIACONIS is the Mary V. Sunseri Professor of Statistics and Mathematics at Stanford University.

BRIAN SKYRMS is Distinguished Professor in the Department of Logic and Philosophy at the University of California, Irvine, and Professor of Philosophy at Stanford University.

General Interest **1** • Textbooks & Reference **5** • Princeton Lifesaver Study Guides **9** •
Algebra & Analysis **10** • Recreational Mathematics **12** • History & Philosophy of
Mathematics **13** • Computer Science **15** • Physics **17** • Of Related Interest **20** •
New in Paperback **21** • Selections from the Backlist **23** • Index | Order Form **25**



2017. 168 pages. 179 color illus. 69 line illus. 38 halftones.
Cl: 978-0-691-17533-1 \$35.00 | £27.95



“I have never encountered anything quite like [*The Seduction of Curves*]. . . . An unusual and eclectic book, and one that taught me a lot of things that I did not know before.”

—Mark Hunacek, *MAA Reviews*

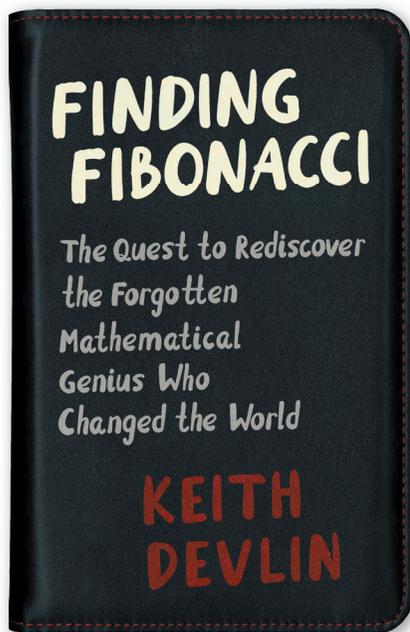
The Seduction of Curves

Curves are seductive. These smooth, organic lines and surfaces—like those of the human body—appeal to us in an instinctive, visceral way that straight lines or the perfect shapes of classical geometry never could. In this large-format book, lavishly illustrated in color throughout, Allan McRobie takes the reader on an alluring exploration of the beautiful curves that shape our world—from our bodies to Salvador Dalí’s paintings and the space-time fabric of the universe itself.

The book focuses on seven curves—the fold, cusp, swallowtail, and butterfly, plus the hyperbolic, elliptical, and parabolic “umbilics”—and describes the surprising origins of their taxonomy in the catastrophe theory of mathematician René Thom. In an accessible discussion illustrated with many photographs of the human nude, McRobie introduces these curves and then describes their role in nature, science, engineering, architecture, art, and other areas. The reader learns how these curves play out in everything from the stability of oil rigs and the study of distant galaxies to rainbows, the patterns of light on pool floors, and even the shape of human genitals. The book also discusses the role of these curves in the work of such artists as David Hockney, Henry Moore, and Anish Kapoor, with particular attention given to the delicate sculptures of Naum Gabo and the final paintings of Dalí, who said that Thom’s theory “bewitched all of my atoms.”

A unique introduction to the language of beautiful curves, this book may change the way you see the world.

ALLAN MCROBIE a Reader in the Engineering Department at the University of Cambridge, where he teaches stability theory and structural engineering. He previously worked as an engineer in Australia, designing bridges and towers.



2017. 256 pages. 22 halftones.
 Cl: 978-0-691-17486-0 \$29.95 | £24.95

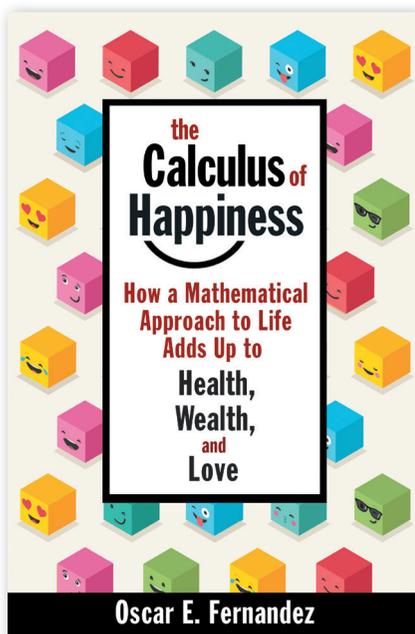
“*Finding Fibonacci* [does] much to restore Leonardo to his proper place in contemporary Western culture.”

—Dan Friedman, *Los Angeles Review of Books*

Finding Fibonacci

In 2000, Keith Devlin set out to research the life and legacy of the medieval mathematician Leonardo of Pisa, popularly known as Fibonacci, whose book *Liber abbaci* has quite literally affected the lives of everyone alive today. *Finding Fibonacci* is Devlin’s compelling firsthand account of his ten-year quest to tell Fibonacci’s story. You will also meet the unique individuals Devlin encountered along the way, people who, each for their own reasons, became fascinated by Fibonacci.

KEITH DEVLIN is a mathematician at Stanford University and cofounder and president of BrainQuake, an educational technology company that creates mathematics learning video games.



2017. 176 pages. 13 line illus. 14 tables. 1 halftone.
 Cl: 978-0-691-16863-0 \$24.95 | £19.95

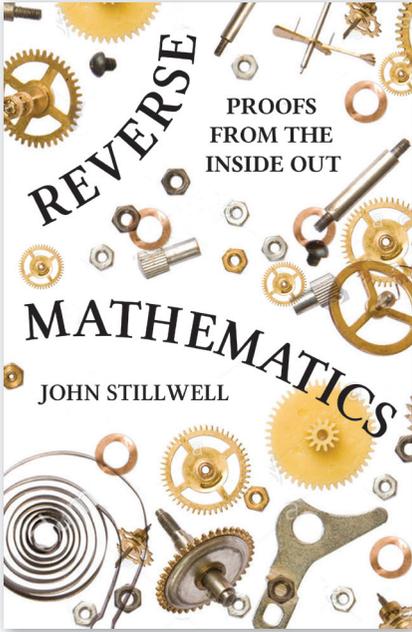
“Surveys a wide variety of ways that mathematics can be used to improve decision making and general well-being. . . . [Fernandez] believes that even a smid-geon of algebra can encapsulate a lot of wisdom.”

—TIME.com

The Calculus of Happiness

In *The Calculus of Happiness*, Oscar Fernandez shows us that math yields powerful insights into health, wealth, and love. Using only high-school-level math (precalculus with a dash of calculus), Fernandez guides us through several of the surprising results, including an easy rule of thumb for choosing foods that lower our risk for developing diabetes, simple “all-weather” investment portfolios with great returns, and math-backed strategies for searching for our soul mate. A nutrition, personal finance, and relationship how-to guide all in one, *The Calculus of Happiness* invites you to discover how empowering mathematics can be.

OSCAR E. FERNANDEZ is assistant professor of mathematics at Wellesley College.



2017. 192 pages. 5 halftones. 30 line illus.
Cl: 978-0-691-17717-5 \$24.95 | £19.95

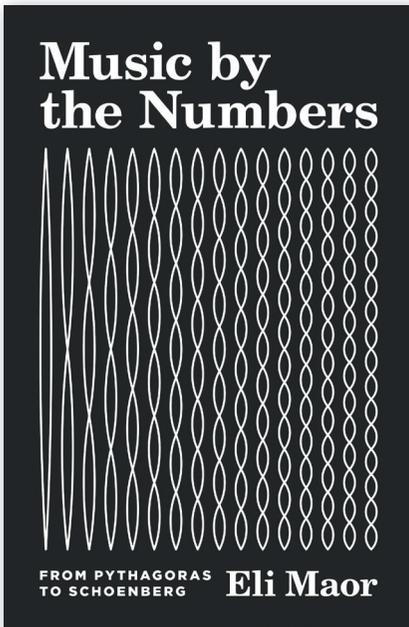
“Filling an important niche, this book gives readers a good picture of the basics of reverse mathematics while suggesting several directions for further reading and study.”

—Denis Hirschfeldt, University of Chicago

Reverse Mathematics

This book presents reverse mathematics to a general mathematical audience for the first time. In the two thousand years that mathematicians have been deriving theorems from axioms, it has often been asked: which axioms are needed to prove a given theorem? Only in the last two hundred years have some of these questions been answered, and only in the last forty years has a systematic approach been developed. In *Reverse Mathematics*, John Stillwell gives a representative view of this field, emphasizing basic analysis and giving a novel approach to logic.

JOHN STILLWELL is professor of mathematics at the University of San Francisco and an affiliate of the School of Mathematical Sciences at Monash University, Australia.



May 2018. 192 pages. 39 b/w illus.
Cl: 978-0-691-17690-1 \$24.95 | £19.95

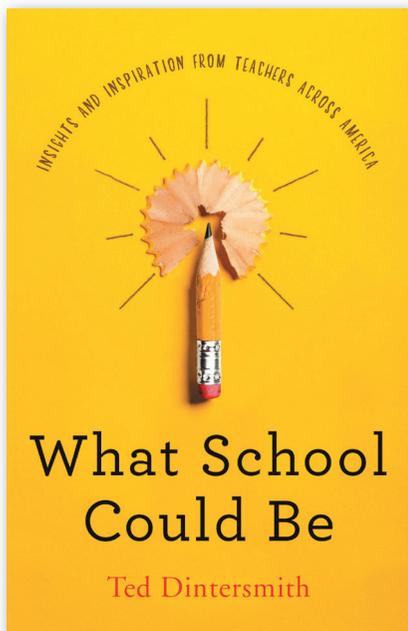
“A delightful examination of how math and human culture interact.”

—Ian Stewart, author of *Significant Figures*

Music by the Numbers

Music is filled with mathematical elements, the works of Bach are often said to possess a math-like logic, and Igor Stravinsky said “musical form is close to mathematics,” while Arnold Schoenberg, Iannis Xenakis, and Karlheinz Stockhausen went further, writing music explicitly based on mathematical principles. Yet Eli Maor argues that music has influenced math at least as much as math has influenced music. Starting with Pythagoras, proceeding through the work of Schoenberg, and ending with contemporary string theory, *Music by the Numbers* tells a fascinating story of composers, scientists, inventors, and eccentrics who played a role in the age-old relationship between music, mathematics, and the sciences, especially physics and astronomy.

ELI MAOR is a former professor of the history of mathematics at Loyola University Chicago.



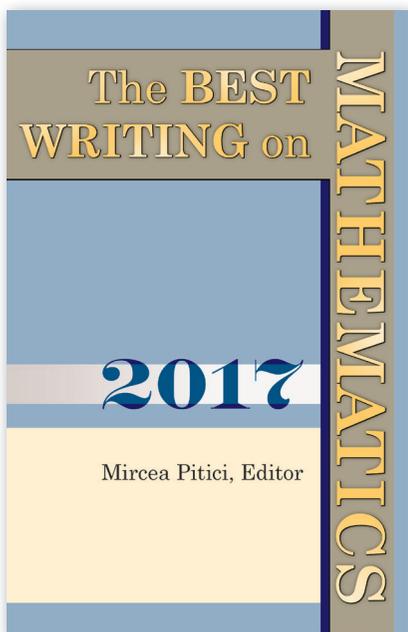
May 2018. 312 pages. 24 b/w illus. 3 tables. 1 map.
 Cl: 978-0-691-18061-8 \$24.95 | £19.95

“[H]ands down the best book on education that I’ve read in a very long time. Read it and act!”
 —Tony Wagner, Expert in Residence at the Harvard Innovation Lab and author of *The Global Achievement Gap* and *Creating Innovators*

What School Could Be

America’s clock is ticking. Our archaic model of education trains our kids for a world that no longer exists, and accelerating advances in technology are eliminating millions of jobs. But the trailblazing of many American educators gives us reasons for hope. Capturing bold ideas from teachers and classrooms across America, *What School Could Be* provides a realistic and profoundly optimistic roadmap for creating cultures of innovation and real learning in all our schools.

TED DINTERSMITH is one of the nation’s leading voices on innovation and education. His four-decade career spans technology, business, public policy, and education philanthropy.



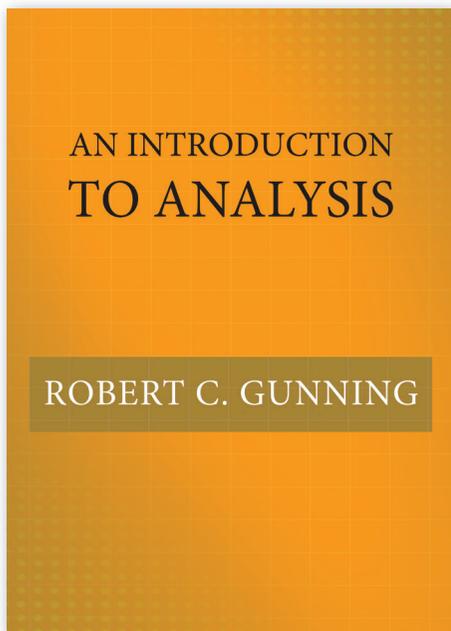
2017. 264 pages. 42 halftone. 25 color illus. 15 halftones. 2 tables.
 Pa: 978-0-691-17863-9 \$24.95 | £19.95

“With a shrewd eye for topics both obscure and practical, Pitici chooses a variety of thoroughly accessible works that tie abstract math to the real world.”
 —*Publishers Weekly*

The Best Writing on Mathematics 2017

This annual anthology brings together the year’s finest mathematics writing from around the world. Featuring promising new voices alongside some of the foremost names in the field, *The Best Writing on Mathematics 2017* makes available to a wide audience many articles not easily found anywhere else—and you don’t need to be a mathematician to enjoy them. These writings delve into the history, philosophy, teaching, and everyday occurrences of math, and take readers behind the scenes of today’s hottest mathematical debates.

MIRCEA PITICI teaches advanced calculus at Syracuse University.



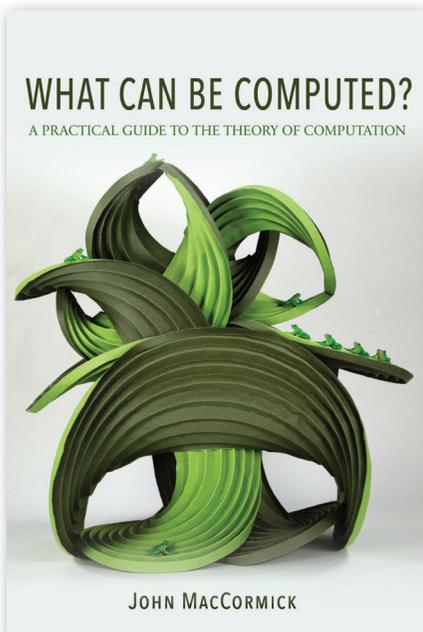
March 2018. 376 pages. 25 b/w illus.
 Cl: 978-0-691-17879-0 \$75.00 | £62.95

“[A] great introduction to analysis that presents precisely what an honors analysis course should include. The writing is rigorous but lively, and much interesting mathematics is packed in it.”
 —Wilhelm Schlag, University of Chicago

An Introduction to Analysis

An Introduction to Analysis is an essential primer on basic results in algebra, topology, and calculus for undergraduate students considering advanced degrees in mathematics. Ideal for use in a one-year course, this unique textbook also introduces students to rigorous proofs and formal mathematical writing—skills they need to excel. Proven in the classroom, this is the first textbook to bring these topics together in one easy-to-use and comprehensive learning tool.

ROBERT C. GUNNING is professor of mathematics at Princeton University.



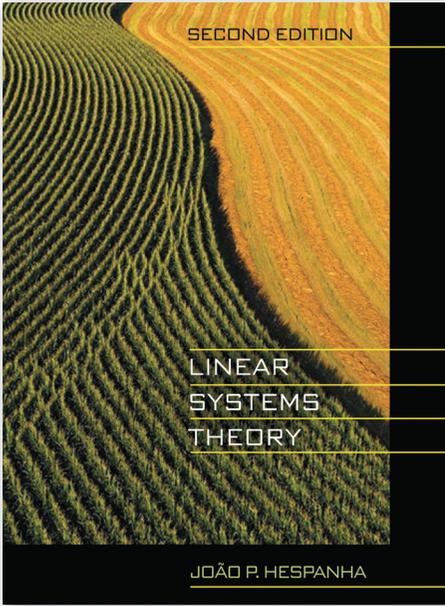
March 2018. 408 pages. 163 b/w illus. 13 tables.
 Cl: 978-0-691-17066-4 \$85.00 | £70.95

“[S]hould succeed brilliantly in capturing the imagination of students. Using Python as a model of computation, MacCormick is able to introduce the greatest ideas in computer science theory as quickly and intuitively as possible.”
 —Matt Franklin, University of California, Davis

What Can Be Computed?

What Can Be Computed? is a uniquely accessible yet rigorous introduction to the most profound ideas at the heart of computer science. Crafted specifically for undergraduates who are studying the subject for the first time, and requiring minimal prerequisites, the book focuses on the essential fundamentals of computer science theory and features a practical approach that uses real computer programs (Python and Java) and encourages active experimentation. It is also ideal for self-study and reference.

JOHN MACCORMICK is associate professor of computer science at Dickinson College and a leading teacher, researcher, and writer in his field.



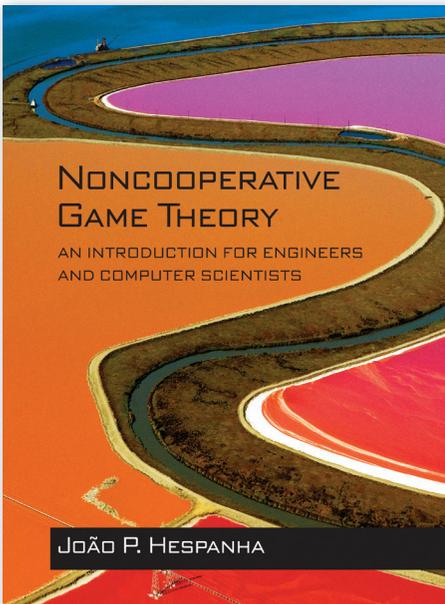
April 2018. 348 pages. 52 b/w illus.
Cl: 978-0-691-17957-5 \$85.00 | £70.95

Praise for the previous edition:
“[A] splendidly written textbook.”
—Alan J. Laub, *SIAM Review*

Linear Systems Theory

Linear systems theory is the cornerstone of control theory and a well-established discipline that focuses on linear differential equations from the perspective of control and estimation. This updated second edition of *Linear Systems Theory* covers the key topics of the field in a unique lecture-style format, making the book easy to use for instructors and students. João Hespanha looks at system representation, stability, controllability and state feedback, observability and state estimation, and realization theory. He provides the background for advanced modern control design techniques and feedback linearization and examines advanced foundational topics, such as multivariable poles and zeros and LQG/LQR.

JOÃO P. HESPANHA is professor of electrical engineering in the Center for Control, Dynamical Systems and Computation at the University of California, Santa Barbara.

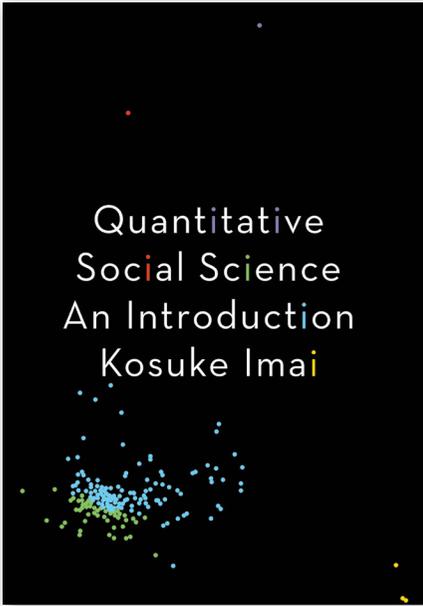


2017. 242 pages. 35 line illus. 4 tables.
Cl: 978-0-691-17521-8 \$65.00 | £54.95

“This well-written book is clear and focused, and organized around suitable modules and lectures.”
—Magnus Egerstedt, coauthor of *Graph Theoretic Methods in Multiagent Networks*

Noncooperative Game Theory

Noncooperative Game Theory is aimed at students interested in using game theory as a design methodology for solving problems in engineering and computer science. João Hespanha shows that such design challenges can be analyzed through game theoretical perspectives that help to pinpoint each problem’s essence: Who are the players? What are their goals? Will the solution to “the game” solve the original design problem? Using the fundamentals of game theory, Hespanha explores these issues and more.



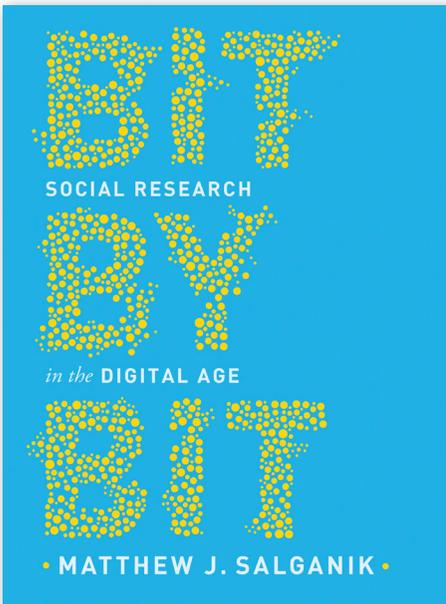
2017. 432 pages. 14 color illus. 9 halftones. 77 line illus.
Pa: 978-0-691-17546-1 \$49.50 | £41.95
Cl: 978-0-691-16703-9 \$95.00 | £79.95

“The author has masterfully balanced careful explanations of the quantitative theory with the practical computer implementation of the methods applied to real world data sets.”
—Jason M. Graham, *Mathematical Association of America Reviews*

Quantitative Social Science

This textbook is a practical introduction to data analysis and statistics written especially for students in the social sciences and allied fields. *Quantitative Social Science* engages directly with empirical analysis, showing students how to analyze data using the R programming language and to interpret the results. Proven in the classroom, this one-of-a-kind textbook features numerous additional data analysis exercises and interactive R programming exercises, and also comes with supplementary teaching materials for instructors.

KOSUKE IMAI is professor of politics and founding director of the Program in Statistics and Machine Learning at Princeton University.



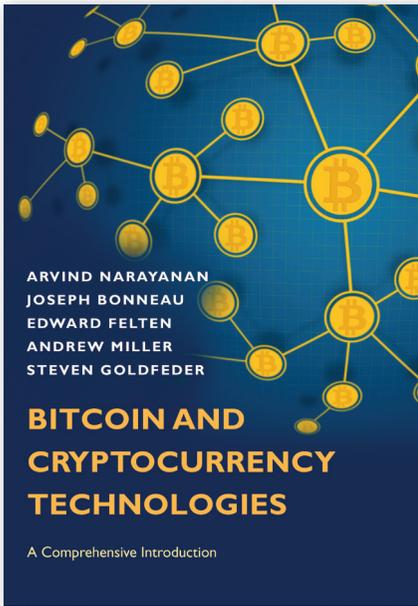
January 2018. 448 pages. 21 halftones. 58 line illus. 28 tables.
2 maps.
Cl: 978-0-691-15864-8 \$35.00 | £27.95

“This book is a gem—a rare combination of a highly accessible and engaging writing style coupled with an introduction to advanced computational methods.”
—Michael Macy, Cornell University

Bit by Bit

Bit by Bit is the essential guide to mastering the key principles of doing social research in this fast-evolving digital age. In this comprehensive yet accessible book, Matthew Salganik explains how the digital revolution is transforming how social scientists observe behavior, ask questions, run experiments, and engage in mass collaborations. He provides a wealth of real-world examples throughout and also lays out a principles-based approach to handling ethical challenges.

MATTHEW J. SALGANIK is professor of sociology at Princeton University, where he is also affiliated with the Center for Information Technology Policy and the Center for Statistics and Machine Learning.



2016. 336 pages. 11 halftones. 86 line illus. 7 tables.
 Cl: 978-0-691-17169-2 \$49.50 | £41.95
 Honorable Mention for the 2017 PROSE Award in Computing and Information Sciences, Association of American Publishers

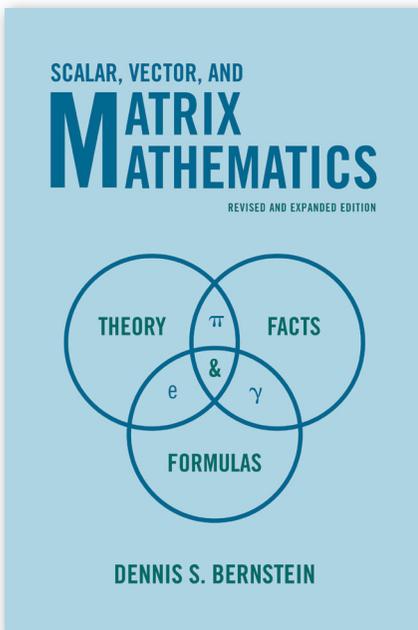
“For people interested in the inner workings of Bitcoin and other crypto-currencies, this is an excellent book.”
 —*Choice*

Bitcoin and Cryptocurrency Technologies

Bitcoin and Cryptocurrency Technologies provides a comprehensive introduction to the revolutionary yet often misunderstood new technologies of digital currency. Whether you are a student, software developer, tech entrepreneur, or researcher in computer science, this authoritative and self-contained book tells you everything you need to know about the new global money for the Internet age.

Topics include decentralization, mining, the politics of Bitcoin, altcoins and the cryptocurrency ecosystem, the future of Bitcoin, and more.

ARVIND NARAYANAN, JOSEPH BONNEAU, EDWARD FELTEN, ANDREW MILLER & STEVEN GOLDFEDER.



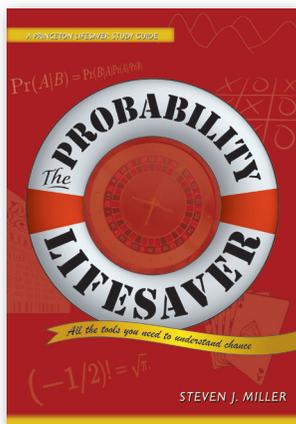
April 2018. 1608 pages. 2 line illus.
 Pa: 978-0-691-17653-6 \$99.50 | £83.95
 Cl: 978-0-691-15120-5 \$185.00 | £154.95

“If you have any questions about sets, graphs, and functions, derivatives and integrals, sequences and limits, and even geometry, you will almost certainly find an answer here.”
 —Götz Trenkler, Technical University of Dortmund, Germany

Scalar, Vector, and Matrix Mathematics

Since its initial publication, this book has become the essential reference for users of matrices in all branches of engineering, science, and applied mathematics. In this revised and expanded edition, Dennis Bernstein combines extensive material on scalar and vector mathematics with the latest results in matrix theory to make this the most comprehensive, current, and easy-to-use book on the subject. Now more comprehensive than ever, *Scalar, Vector, and Matrix Mathematics* includes a detailed list of symbols, a summary of notation and conventions, an extensive bibliography and author index with page references, and an exhaustive subject index.

DENNIS S. BERNSTEIN is professor of aerospace engineering at the University of Michigan.



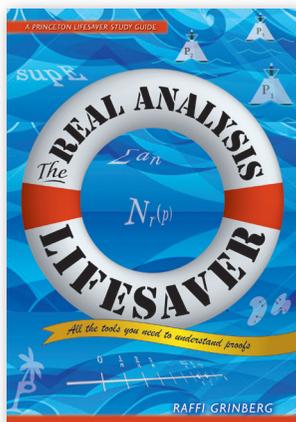
“[A] superb book by a gifted writer and mathematician.”
—Larry Leemis, College of William & Mary

The Probability Lifesaver

For students learning probability, its numerous applications, techniques, and methods can seem intimidating and overwhelming. That’s where *The Probability Lifesaver* steps in. This accessible and user-friendly study guide helps students comfortably navigate probability’s terrain and achieve positive results.

STEVEN J. MILLER is associate professor of mathematics at Williams College.

2017. 8 color illus. 64 line illus. 21 tables.
Pa: 978-0-691-14955-4 \$29.95 | £24.95
Cl: 978-0-691-14954-7 \$99.50 | £83.95



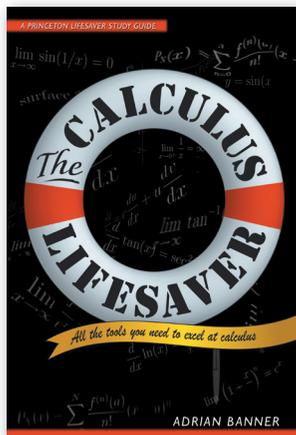
“Grinberg writes like a professor would speak to a student during office hours: free of jargon, with a sense of humor, yet still in an authoritative and informative manner.”
—Oscar E. Fernandez, author of *Everyday Calculus*

The Real Analysis Lifesaver

Real analysis is difficult. For most students, in addition to learning new material about real numbers, topology, and sequences, they are also learning to read and write proofs for the first time. *The Real Analysis Lifesaver* is an innovative guide that helps students through their first real analysis course.

RAFFI GRINBERG graduated with honors from Princeton University with a degree in mathematics in 2012.

2017. 200 pages. 33 line illus.
Pa: 978-0-691-17293-4 \$27.95 | £22.95
Cl: 978-0-691-17387-0 \$75.00 | £62.95



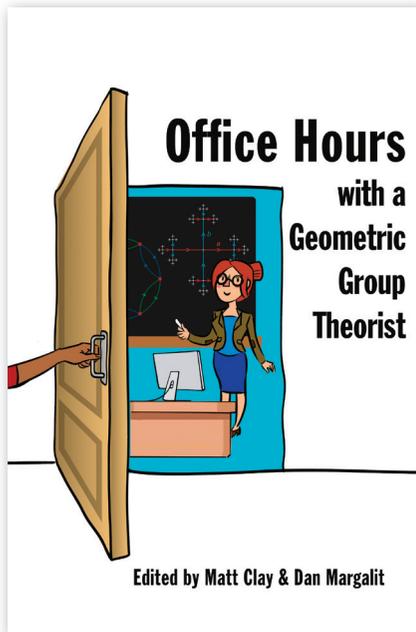
“Banner’s style is informal, engaging and distinctly non-intimidating.”
—MAA Online

The Calculus Lifesaver

For many students, calculus can be the most mystifying and frustrating course they will ever take. *The Calculus Lifesaver* provides students with the essential tools they need not only to learn calculus, but to excel at it. This book combines ease of use and readability with the depth of content and mathematical rigor of the best calculus textbooks.

ADRIAN BANNER is Lecturer in Mathematics at Princeton University and Director of Research at INTECH.

2007. 752 pages. 350 line illus.
Pa: 978-0-691-13088-0 \$24.95 | £19.95



2017. 456 pages. 136 color illus. 2 halftones. 86 line illus. 2 tables.
Pa: 978-0-691-15866-2 \$55.00 | £45.95

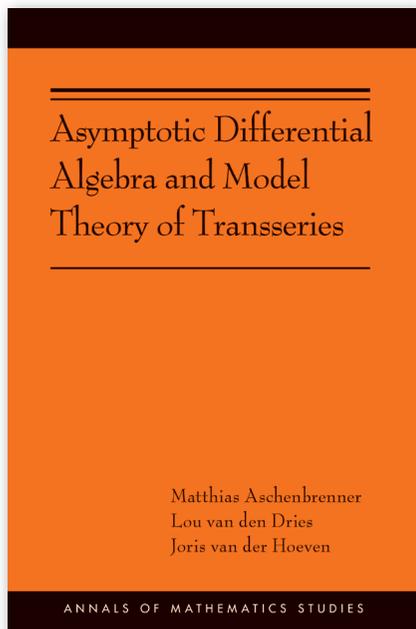
“Original and encyclopedic.”

—Daniel Groves, University of Illinois, Chicago

Office Hours with a Geometric Group Theorist

Office Hours with a Geometric Group Theorist brings together leading experts who provide one-on-one instruction on key topics in this exciting and relatively new field of mathematics. It's like having office hours with your most trusted math professors. Accessible to students who have taken a first course in abstract algebra, this book also features numerous exercises and in-depth projects designed to engage readers and provide jumping-off points for research projects.

MATT CLAY is associate professor of mathematics at the University of Arkansas. **DAN MARGALIT** is professor of mathematics at the Georgia Institute of Technology.

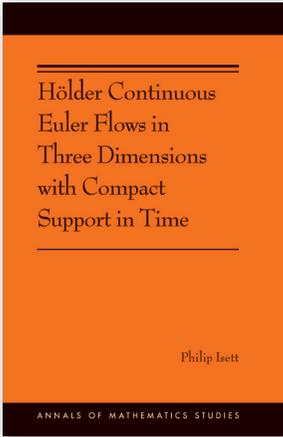


2017. 880 pages. 12 line illus.
Pa: 978-0-691-17543-0 \$75.00 | £62.95
Cl: 978-0-691-17542-3 \$165.00 | £137.95
Annals of Mathematics Studies
Phillip A. Griffiths, John N. Mather & Elias M. Stein, Series Editors

Asymptotic Differential Algebra and Model Theory of Transseries

Asymptotic differential algebra seeks to understand the solutions of differential equations and their asymptotics from an algebraic point of view. The differential field of transseries plays a central role in the subject. Besides powers of the variable, these series may contain exponential and logarithmic terms. Over the last thirty years, transseries emerged variously as super-exact asymptotic expansions of return maps of analytic vector fields, in connection with Tarski's problem on the field of reals with exponentiation, and in mathematical physics. Their formal nature also makes them suitable for machine computations in computer algebra systems. This self-contained book validates the intuition that the differential field of transseries is a universal domain for asymptotic differential algebra.

MATTHIAS ASCHENBRENNER is professor of mathematics at the University of California, Los Angeles. **LOU VAN DEN DRIES** is professor of mathematics at the University of Illinois, Urbana-Champaign. **JORIS VAN DER HOEVEN** is director of research at the French National Center for Scientific Research (CNRS).

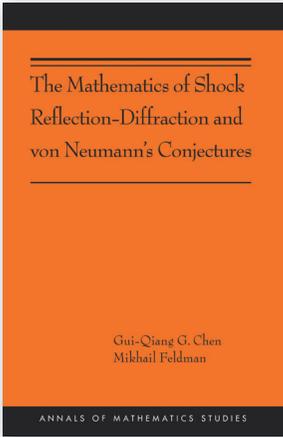


Hölder Continuous Euler Flows in Three Dimensions with Compact Support in Time

Motivated by the theory of turbulence in fluids, the physicist and chemist Lars Onsager conjectured in 1949 that weak solutions to the incompressible Euler equations might fail to conserve energy if their spatial regularity was below $1/3$ -Hölder. In this book, Philip Isett uses the method of convex integration to achieve the best-known results regarding nonuniqueness of solutions and Onsager's conjecture. Focusing on the intuition behind the method, the ideas introduced now play a pivotal role in the ongoing study of weak solutions to fluid dynamics equations.

PHILIP ISETT is assistant professor of mathematics at the University of Texas, Austin.

2017. 216 pages.
 Pa: 978-0-69117483-9 \$75.00 | £62.95
 Cl: 978-0-691-17482-2 \$165.00 | £137.95



The Mathematics of Shock Reflection-Diffraction and von Neumann's Conjectures

This book offers a survey of recent developments in the analysis of shock reflection-diffraction, a detailed presentation of original mathematical proofs of von Neumann's conjectures for potential flow, and a collection of related results and new techniques in the analysis of partial differential equations (PDEs), as well as a set of fundamental open problems for further development.

GUI-QIANG G. CHEN is the Statutory Professor in the Analysis of Partial Differential Equations at the Mathematical Institute of the University of Oxford, where he is also professorial fellow at Keble College. **MIKHAIL FELDMAN** is professor of mathematics at the University of Wisconsin–Madison.

January 2018. 792 pages. 35 line illus.
 Pa: 978-0-691-16055-9 \$75.00 | £62.95
 Cl: 978-0-691-16054-2 \$165.00 | £137.95

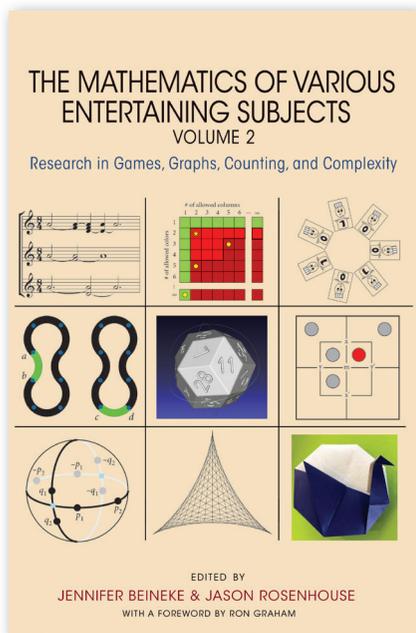
Annals of Mathematics

Edited by Charles Fefferman, David Gabai, Nicholas M. Katz, Sergiu Klainerman, Peter Sarnak & Gang Tian
 Associate Editors: Alexei Borodin, Etienne Ghys, Robert Guralnick, Christopher Hacon, William Minicozzi & Tamar Ziegler

Founded in 1884, this distinguished bimonthly journal of research papers in mathematics is published by the Department of Mathematics of Princeton University with the cooperation of the Institute for Advanced Study.

Annual Subscription
 Individuals: \$345.00
 Institutions: Electronic only \$545.00 | Print and Electronic \$575.00
 Postal surcharge of \$50.00 for shipments outside of the U.S.

To Order, Contact:
MATHEMATICAL SCIENCES PUBLISHERS
 798 Evans Hall #3840
 c/o University of California,
 Berkeley
 Berkeley, CA 94720-3840
 Phone: 1-510-643-8638
 Fax: 1-510-295-2608
 contact@msp.org



2017. 408 pages. 71 color illus. 1 halftone. 76 line illus. 47 tables.
Cl: 978-0-691-17192-0 \$85.00 | £70.95

“Every essay in this collection can be appreciated by math enthusiasts of all levels, from high school students to research mathematicians.”

—Arthur Benjamin, author of *The Magic of Math*

The Mathematics of Various Entertaining Subjects, Vol. II

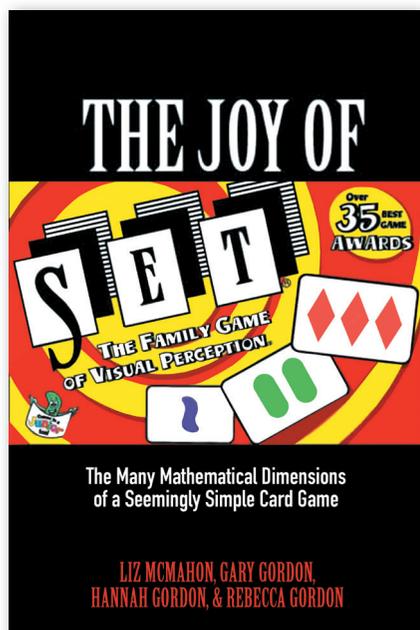
The history of mathematics is filled with major breakthroughs resulting from solutions to recreational problems. Yet even with such groundbreaking findings, research in recreational mathematics has often been neglected. *The Mathematics of Various Entertaining Subjects* now returns with a brand-new compilation of problems and solutions in recreational mathematics.

JENNIFER BEINEKE is professor of mathematics at Western New England University. **JASON ROSENHOUSE** is professor of mathematics at James Madison University.

The Mathematics of Various Entertaining Subjects, Vol. I

2015. 296 pages. 80 line illus. 50 color illus. 20 halftones.
Cl: 978-0-691-16403-8 \$75.00 | £62.95

One of Choice's Outstanding Academic Titles for 2016



2017. 320 pages. 164 color illus. 9 line illus. 43 tables.
Cl: 978-0-691-16614-8 \$29.95 | £24.95

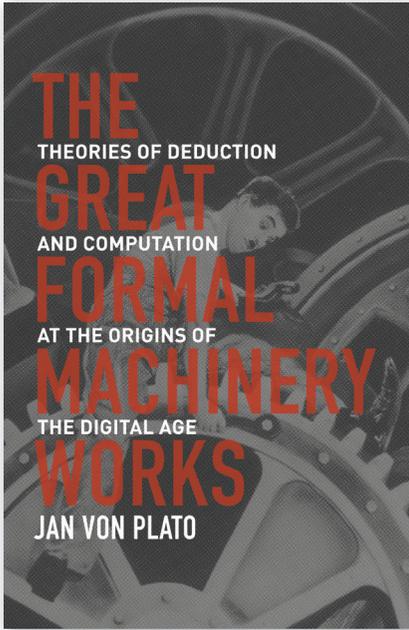
“[A] model of mathematical exposition.”

—Mark Hunacek, *MAA Reviews*

The Joy of SET

The Joy of SET takes readers on a fascinating journey into this seemingly simple card game and reveals its surprisingly deep and diverse mathematical dimensions. Absolutely no mathematical background is necessary to enjoy this book—all you need is a sense of curiosity and adventure! The first book devoted to the mathematics of one of today's most popular card games, *The Joy of SET* will entertain and enlighten the game enthusiast in all of us.

LIZ MCMAHON and **GARY GORDON** are professors of mathematics at Lafayette College. **HANNAH GORDON** is a SET Grand Master and is studying health and nutrition. **REBECCA GORDON** teaches mathematics at Newark Academy.



2017. 400 pages.
 Cl: 978-0-691-17417-4 \$35.00 | £27.95

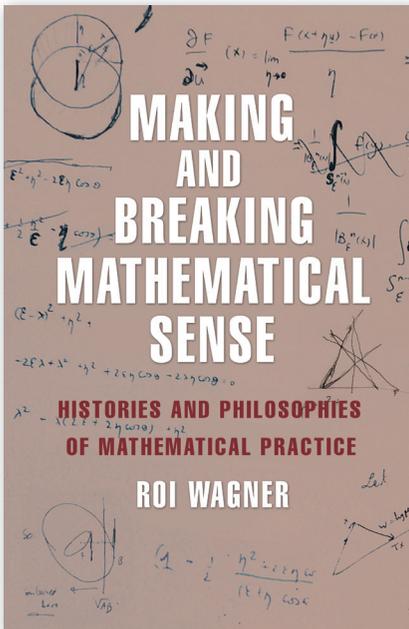
“An important contribution to the study of the history of mathematics.”

—Mark Causapin, *MAA Reviews*

The Great Formal Machinery Works

The information age owes its existence to a little-known but crucial development, the theoretical study of logic and the foundations of mathematics. *The Great Formal Machinery Works* draws on original sources and rare archival materials to trace the history of the theories of deduction and computation that laid the logical foundations for the digital revolution. Shedding new light on this crucial chapter in the history of science, *The Great Formal Machinery Works* is essential reading for students and researchers in logic, mathematics, and computer science.

JAN VON PLATO is professor of philosophy at the University of Helsinki.



2017. 256 pages. 3 halftones. 14 line illus.
 Cl: 978-0-691-17171-5 \$45.00 | £37.95

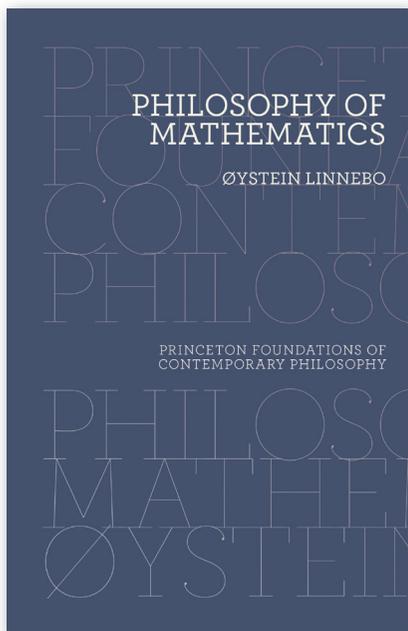
“Wagner provides fresh insights and scintillating cultural, historical, and philosophical discussions pertaining to numerous topics in classical mathematics.”

—*Choice*

Making and Breaking Mathematical Sense

In line with the emerging field of philosophy of mathematical practice, this book pushes the philosophy of mathematics away from questions about the reality and truth of mathematical entities and statements and toward a focus on what mathematicians actually do—and how that evolves and changes over time. Roi Wagner uniquely combines philosophical, historical, and cognitive studies to paint a fully rounded image of mathematics not as an absolute ideal but as a human endeavor that takes shape in specific social and institutional contexts. The result is a revisionist account of mathematical philosophy.

ROI WAGNER is a research fellow at the Minerva Humanities Center at Tel Aviv University.



2017. 216 pages.
 Cl: 978-0-691-16140-2 \$29.95 | £24.95

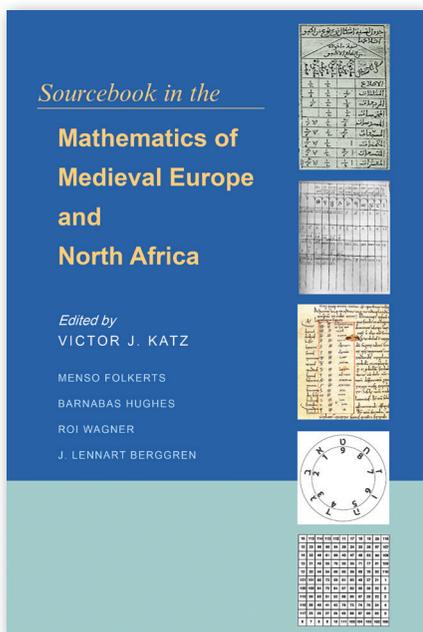
“Superbly clear, concise, well organised, it gives not only a very accessible introduction but also takes the reader all the way to the cutting edge of what philosophers are doing in the philosophy of mathematics.”

—Henri Laurie, *Mathemafrika*

Philosophy of Mathematics

Mathematics is one of humanity’s most successful yet puzzling endeavors. It is a model of precision and objectivity, but appears distinct from the empirical sciences because it seems to deliver nonexperiential knowledge of a nonphysical reality of numbers, sets, and functions. How can these two aspects of mathematics be reconciled? This concise book provides a systematic yet accessible introduction to the field that is trying to answer that question: the philosophy of mathematics.

ØYSTEIN LINNEBO is professor of philosophy at the University of Oslo, and previously held positions in Bristol, London, and Oxford.



2017. 592 pages. 250 line illus.
 Cl: 978-0-691-15685-9 \$95.00 | £79.95

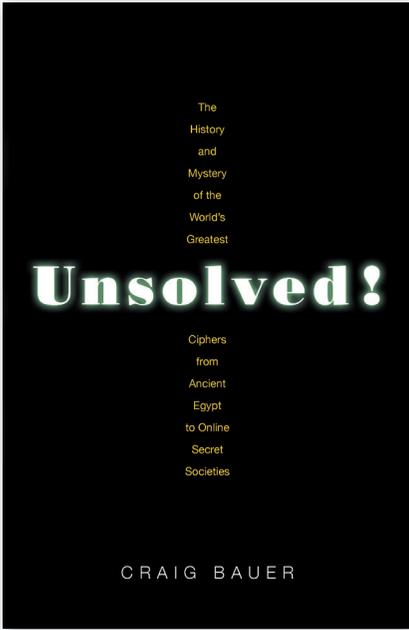
“Any individual who enjoys mathematics will learn a great amount about mathematical history in a context that is often not discussed or covered.”

—*Choice*

Sourcebook in the Mathematics of Medieval Europe and North Africa

Medieval Europe was a meeting place for the Christian, Jewish, and Islamic civilizations, and the fertile intellectual exchange of these cultures can be seen in the mathematical developments of the time. This sourcebook presents original Latin, Hebrew, and Arabic sources of medieval mathematics, and shows their cross-cultural influences. Most of the Hebrew and Arabic sources appear here in translation for the first time.

VICTOR J. KATZ, MENSIO FOLKERTS, BARNABAS HUGHES, ROI WAGNER & J. LENNART BERGGREN.



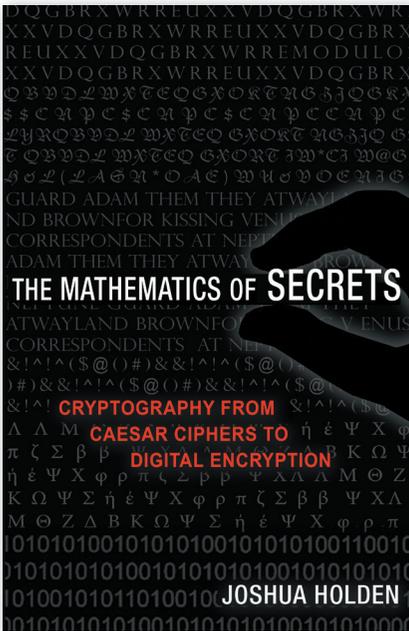
2017. 624 pages. 222 halftones. 8 line illus. 17 tables.
 Cl: 978-0-691-16767-1 \$35.00 | £27.95

“The book’s combination of convincing logic and ... speculation is a familiar mix to those of us interested in undeciphered writing.”
 —Andrew Robinson, *Nature*

Unsolved!

In this lively and entertaining book, Craig Bauer examines vexing ciphers yet to be cracked. Some may reveal the identity of a spy or serial killer, provide the location of buried treasure, or expose a secret society—while others may be elaborate hoaxes. This book begins by explaining the basics of cryptology, and then explores the history behind an array of unsolved ciphers. *Unsolved!* takes readers from the ancient world to the digital age, providing an amazing tour of many of history’s greatest unsolved ciphers.

CRAIG P. BAUER is professor of mathematics at York College of Pennsylvania.



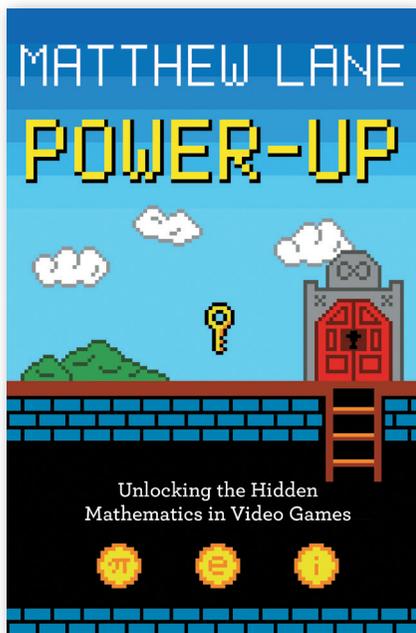
2017. 392 pages. 1 halftone. 98 line illus. 27 tables.
 Cl: 978-0-691-14175-6 \$29.95 | £24.95

“A fascinating tour of the mathematics behind cryptography, showing how its principles underpin the ways that different codes and ciphers operate.”
 —*Cosmos Magazine*

The Mathematics of Secrets

The Mathematics of Secrets takes readers on a tour of the mathematics behind cryptography—the science of sending secret messages. Most books about cryptography are organized historically, or around how codes and ciphers have been used, such as in government and military intelligence or bank transactions. Joshua Holden instead shows how mathematical principles underpin the ways that different codes and ciphers operate. Holden focuses on both code making and code breaking and he discusses the majority of ancient and modern ciphers currently known. With a plethora of historical anecdotes and real-world examples, this book reveals the mathematics working stealthily in the science of coded messages.

JOSHUA HOLDEN is professor of mathematics at the Rose-Hulman Institute of Technology.



2017. 264 pages. 80 halftones. 50 line illus.
Cl: 978-0-691-16151-8 \$29.95 | £24.95

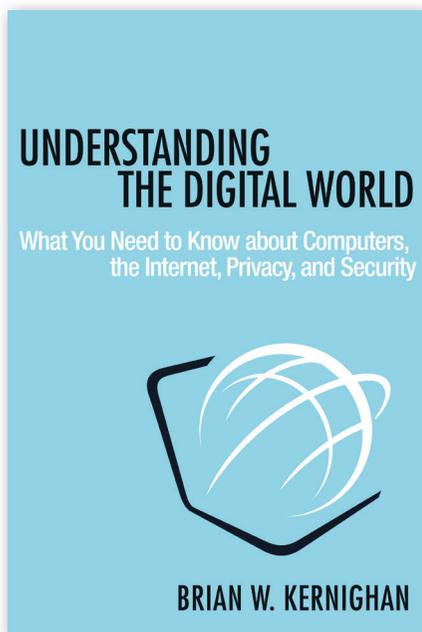
“What a delightful journey through the math of hidden worlds! This is much more than a book about video games. It’s an exploration of interconnectedness and an invitation for the perpetually curious.”

—Karim Ani, founder of Mathalicious

Power-Up

Power-Up reveals the hidden mathematics in many of today’s most popular video games and explains why mathematical learning doesn’t just happen in the classroom or from books—you’re doing it without even realizing it when you play games on your cell phone.

MATTHEW LANE is a mathematician and cofounder of Rithm, a school for aspiring web developers. He is also the creator of *Math Goes Pop!*, a blog that explores the interconnections between mathematics and popular culture.



2017. 256 pages. 38 color illus. 51 line illus.
Cl: 978-0-691-17654-3 \$22.95 | £18.95

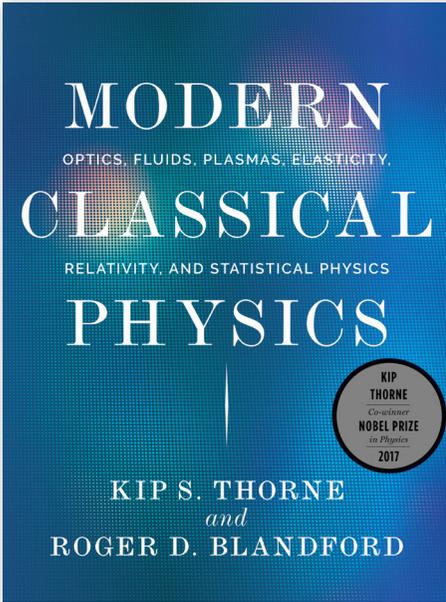
“[Kernighan’s] credentials as a computer scientist are stellar but what comes through in this book is a humanitarian concern about the place of technology in the modern world.”

—Steve Mansfield-Devine, *Network Security*

Understanding the Digital World

Computers are everywhere. Some of them are highly visible, in laptops, tablets, cell phones, and smart watches. But most are invisible, like those in appliances, cars, medical equipment, transportation systems, power grids, and weapons. We never see the myriad computers that quietly collect, share, and sometimes leak vast amounts of personal data about us. Do we truly understand the power of computers in our world? *Understanding the Digital World* explains, precisely and carefully, not only how they operate but also how they influence our daily lives, in terms anyone can understand, no matter what their experience and knowledge of technology.

BRIAN W. KERNIGHAN is a professor in the Department of Computer Science at Princeton University.



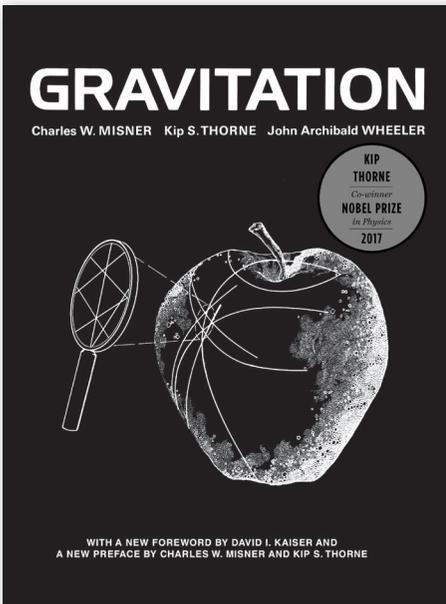
2017. 1552 pages. 349 color illus. 6 halftones. 15 tables.
 Cl: 978-0-691-15902-7 \$125.00 | £104.95
 Kip S. Thorne, Co-Winner of the 2017 Nobel Prize in Physics

“Remarkable for its scope and authority. . . . On my own shelf it will replace half a dozen dog-eared reference texts.”
 —Scott Tremaine, Institute for Advanced Study

Modern Classical Physics

This first-year, graduate-level text and reference book covers the fundamental concepts and twenty-first-century applications of six major areas of classical physics that every masters- or PhD-level physicist should be exposed to, but often isn't: statistical physics, optics (waves of all sorts), elastodynamics, fluid mechanics, plasma physics, and special and general relativity and cosmology.

KIP S. THORNE is the Feynman Professor Emeritus of Theoretical Physics at Caltech.
ROGER D. BLANDFORD is the Luke Blossom Professor of Physics and the founding director of the Kavli Institute of Particle Astrophysics and Cosmology at Stanford University.



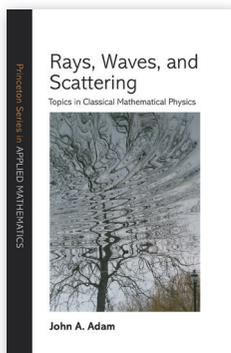
2017. 1280 pages.
 Cl: 978-0-691-17779-3 \$60.00 | £49.95

“Any serious researcher of general relativity will want to have this book at hand.”
 —Andrew Hamilton, University of Colorado, Boulder

Gravitation

First published in 1973, *Gravitation* is a landmark graduate-level textbook that presents Einstein's general theory of relativity and offers a rigorous, full-year course on the physics of gravitation. It has since become a classic, considered essential reading for every serious student and researcher in the field of relativity. This must-have reference includes a new preface by David Kaiser, reflecting on the history of the book's publication and reception, and a new introduction by Charles Misner and Kip Thorne.

CHARLES W. MISNER is professor emeritus of physics at the University of Maryland. **KIP S. THORNE** is the Feynman Professor of Theoretical Physics, Emeritus at the California Institute of Technology. **JOHN ARCHIBALD WHEELER (1911-2008)** was professor of physics at Princeton University and later at the University of Texas, Austin.



“[A] significant contribution to the literature on wave theory.”

—C. J. Chapman, Keele University

Rays, Waves, and Scattering

This one-of-a-kind book presents the mathematical concepts, structures, and techniques used in the study of rays, waves, and scattering.

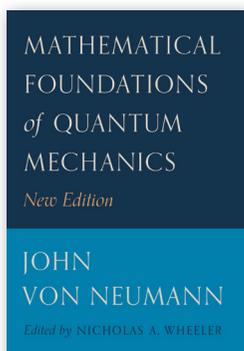
JOHN A. ADAM

2017. 616 pages. 126 line illus.

Cl: 978-0-691-14837-3 \$85.00 | £70.95

Princeton Series in Applied Mathematics

Ingrid Daubechies, Weinan E, Jan Karel Lenstra, and Endre Süli, Series Editors



Mathematical Foundations of Quantum Mechanics

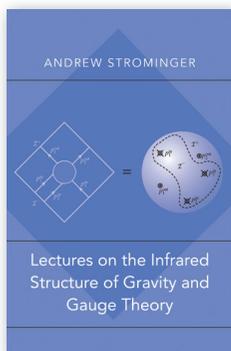
In this new edition, mathematical physicist Nicholas Wheeler has completely reset the book in TeX. He has also corrected a handful of typographic errors, revised some sentences for clarity, provided an index for the first time, and added prefatory remarks drawn from the writings of Léon Van Hove and Freeman Dyson. The result brings new life to an essential work in theoretical physics and mathematics.

JOHN VON NEUMANN

March 2018. 328 pages. 5 b/w illus.

Pa: 978-0-691-17857-8 \$99.50 | £83.95

Cl: 978-0-691-17856-1 \$150.00 | £124.95



“An invaluable reference.”

—Juan Maldacena, Institute for Advanced Study

Lectures on the Infrared Structure of Gravity and Gauge Theory

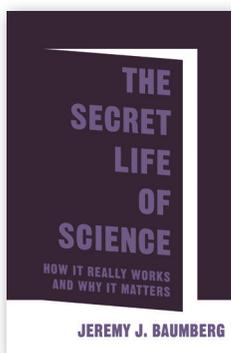
This book presents an accessible, graduate-level synthesis of a frontier research area in theoretical physics.

ANDREW STROMINGER

March 2018. 184 pages. 25 color illus.

Pa: 978-0-691-17973-5 \$49.95 | £41.95

Cl: 978-0-691-17950-6 \$125.00 | £104.95



“A uniquely original analysis.”

—Tony Hey, Chief Data Scientist, Rutherford Appleton Laboratory, Science and Technology Facilities Council

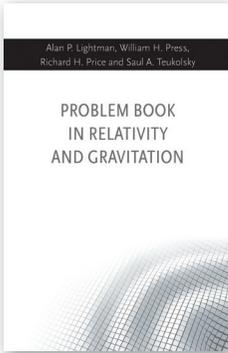
The Secret Life of Science

This book takes a look at the current state of global science, a cutthroat enterprise that even scientists themselves often don't fully understand.

JEREMY J. BAUMBERG

May 2018. 256 pages. 41 b/w illus.

Cl: 978-0-691-17435-8 \$29.95 | £24.95



“[A] classic and easily the best way for students learning general relativity to get experience doing problems.”

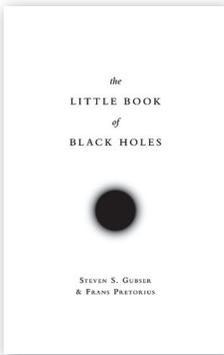
—Sean Carroll, author of *Spacetime and Geometry*

Problem Book in Relativity and Gravitation

A collection of problems in the field of general relativity.

ALAN P. LIGHTMAN, WILLIAM H. PRESS, RICHARD H. PRICE & SAUL A. TEUKOLSKY.

2017. 616 pages.
Pa: 978-0-691-17778-6 \$49.95 | £41.95
Cl: 978-0-691-17777-9 \$99.95 | £83.95



“Entertaining as well as informative.”

—Gary Horowitz, University of California, Santa Barbara

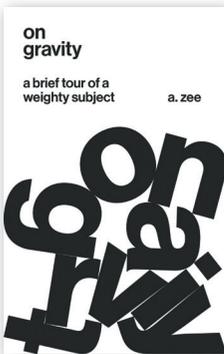
The Little Book of Black Holes

Dive into a mind-bending exploration of the physics of black holes.

STEVEN S. GUBSER & FRANS PRETORIUS.

2017. 200 pages. 29 line illus.
Cl: 978-0-691-16372-7 \$19.95 | £14.95
Science Essentials | John Dowling, Series Editor

Stephen S. Gubser, Winner of the 2017 Simons Investigator Award in Physics, Simons Foundation



“*On Gravity* makes for compelling reading.”

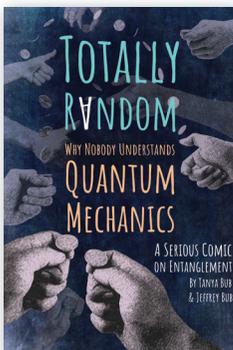
—Pedro Ferreira, author of *The Perfect Theory*

On Gravity

Concise and yet precise, *On Gravity* opens a unique pathway to comprehending relativity and gaining deep insight into gravity, spacetime, and the workings of the universe.

A. ZEE

April 2018. 192 pages. 26 b/w illus.
Cl: 978-0-691-17438-9 \$19.95 | £14.95
Not for sale in China, Taiwan, Singapore, Hong Kong



“An entanglement page-turner!”

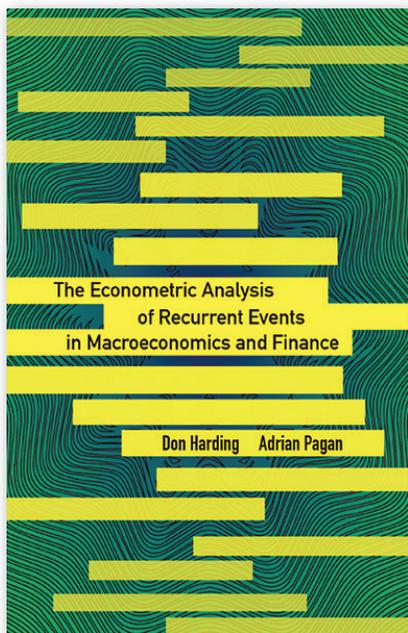
—David Kaiser, author of *How the Hippies Saved Physics*

Totally Random

Totally Random is a comic for the serious reader who wants to really understand the central mystery of quantum mechanics—entanglement: what it is, what it means, and what you can do with it.

TANYA BUB & JEFFREY BUB.

June 2018. 260 pages. 250 b/w illus.
Pa: 978-0-691-17695-6 \$22.95 | £18.95



2016. 232 pages. 20 line illus. 18 tables.
Cl: 978-0-691-16709-4 \$49.50 | £41.95

The Econometric and Tinbergen Institutes Lectures
Herman K. van Dijk, Philip Hans Franses, and
Dennis Fok, Series Editors

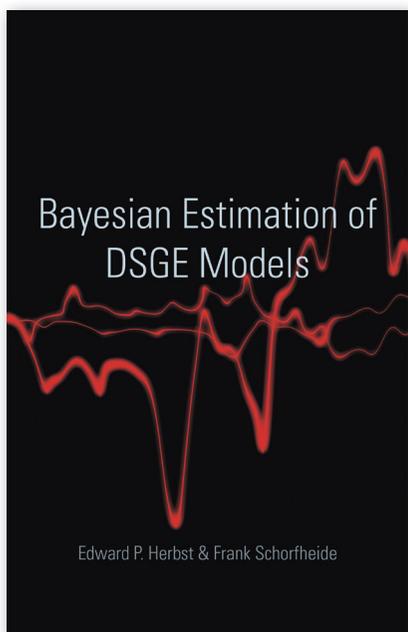
“Forcefully hammers out its central message with illustrative examples and provides invaluable guidance to practitioners.”

—Emre Yoldas, *Journal of Economic Literature*

The Econometric Analysis of Recurrent Events in Macroeconomics and Finance

The global financial crisis highlighted the impact on macroeconomic outcomes of recurrent events like business and financial cycles, highs and lows in volatility, and crashes and recessions. At the most basic level, such recurrent events can be summarized using binary indicators showing if the event will occur or not. This book presents the econometric methods necessary for the successful modeling of recurrent events.

DON HARDING is professorial research fellow at the Centre of Policy Studies (CoPS) at Victoria University and honorary professor of economics at La Trobe University. **ADRIAN PAGAN** is professor emeritus of economics at the University of Sydney and professorial fellow at the University of Melbourne.



2016. 296 pages. 34 line illus. 23 tables.
Cl: 978-0-691-16108-2 \$49.50 | £41.95

The Econometric and Tinbergen Institutes Lectures
Herman K. van Dijk, Philip Hans Franses, and
Dennis Fok, Series Editors

“Well written and well organized, and the topic analyzed is very interesting and current.”

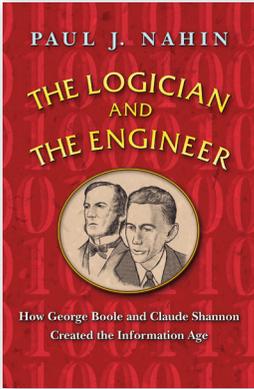
—Manuel Salvador, *MathSciNet*

Bayesian Estimation of DSGE Models

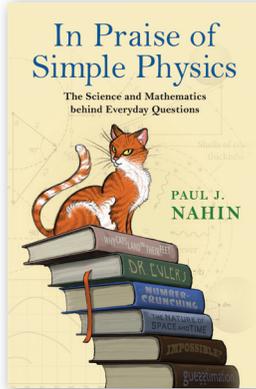
Dynamic stochastic general equilibrium (DSGE) models have become one of the workhorses of modern macroeconomics and are extensively used for academic research as well as forecasting and policy analysis at central banks. This book introduces readers to state-of-the-art computational techniques used in the Bayesian analysis of DSGE models.

EDWARD P. HERBST is an economist in the Division of Research and Statistics at the Federal Reserve Board. **FRANK SCHORFHEIDE** is Professor of Economics at the University of Pennsylvania and research associate at the National Bureau of Economic Research. He also is a fellow of the Penn Institute for Economic Research, a visiting scholar at the Federal Reserve Banks of Philadelphia and New York, and a coeditor of *Quantitative Economics*.

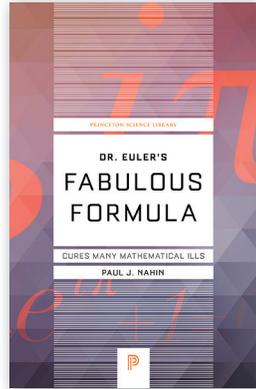
NEW IN PAPERBACK



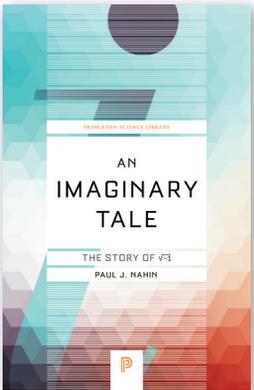
The Logician and the Engineer
Paul J. Nahin
Pa: 978-0-691-17600-0 \$17.95 | £14.95



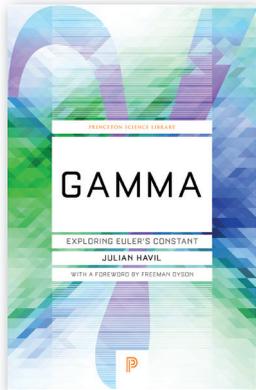
In Praise of Simple Physics
Paul J. Nahin
Pa: 978-0-691-17852-3 \$17.95 | £14.95



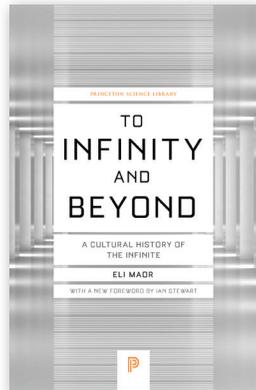
Dr. Euler's Fabulous Formula
Paul J. Nahin
Pa: 978-0-691-17591-1 \$22.95 | £18.95



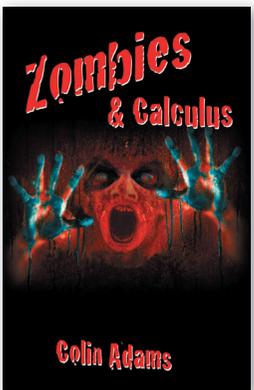
An Imaginary Tale
Paul J. Nahin
Pa: 978-0-691-16924-8 \$16.95 | £14.95



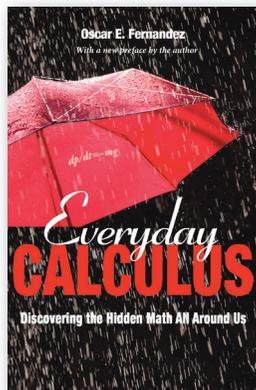
Gamma
Julian Havil
Pa: 978-0-691-17810-3 \$18.95 | £14.95



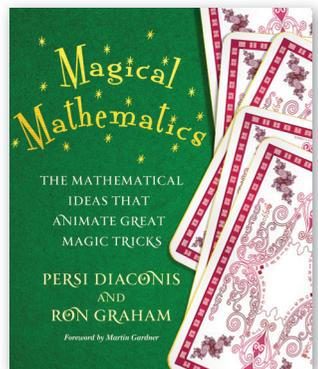
To Infinity and Beyond
Eli Maor
Pa: 978-0-691-17811-0 \$22.95



Zombies and Calculus
Colin Adams
Pa: 978-0-691-17320-7 \$18.95 | £14.95

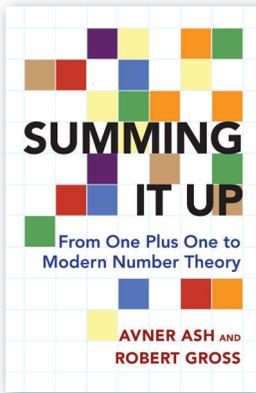


Everyday Calculus
Oscar E. Fernandez
Pa: 978-0-691-17575-1 \$17.95 | £14.95

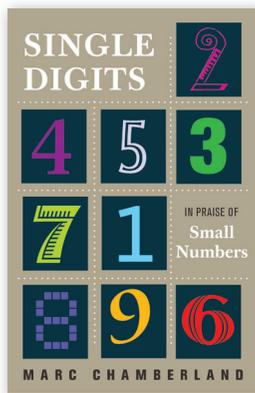


Magical Mathematics
Persi Diaconis & Ron Graham
Pa: 978-0-691-16977-4 \$19.95 | £14.95

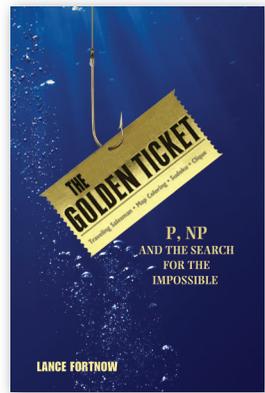
NEW IN PAPERBACK



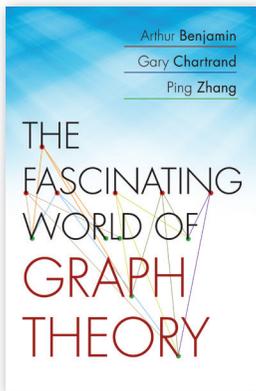
Summing It Up
Avner Ash & Robert Gross
Pa: 978-0-691-17851-6 \$16.95 | £14.95



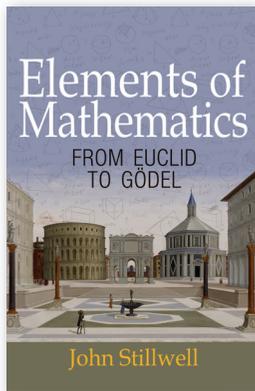
Single Digits
Marc Chamberland
Pa: 978-0-691-17569-0 \$17.95 | £14.95



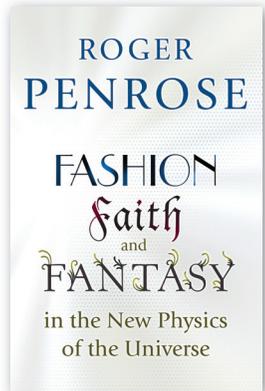
The Golden Ticket
Lance Fortnow
Pa: 978-0-691-17578-2 \$17.95 | £14.95



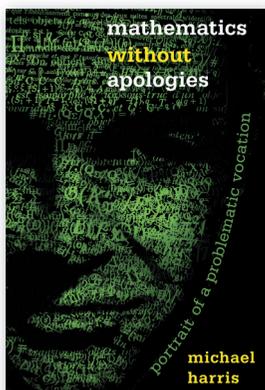
The Fascinating World of Graph Theory
Arthur Benjamin, Gary Chartrand & Ping Zhang
Pa: 978-0-691-17563-8 \$19.95 | £14.95



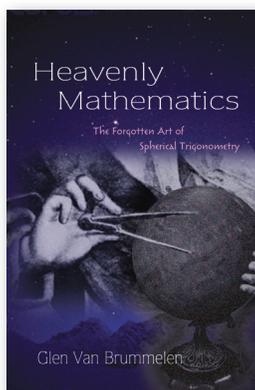
Elements of Mathematics
John Stillwell
Pa: 978-0-691-17854-7 \$21.95 | £17.95



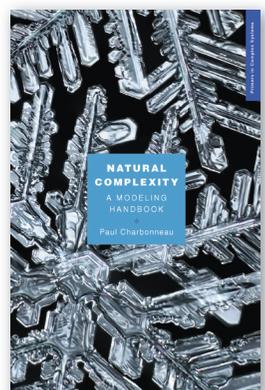
Fashion, Faith, and Fantasy in the New Physics of the Universe
Roger Penrose
Pa: 978-0-691-17853-0 \$17.95 | £14.95



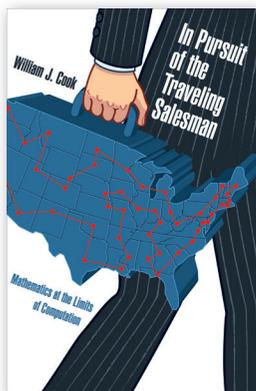
Mathematics without Apologies
Michael Harris
Pa: 978-0-691-17583-6 \$22.95 | £18.95



Heavenly Mathematics
Glen Van Brummelen
Pa: 978-0-691-17599-7 \$19.95 | £14.95



Natural Complexity
Paul Charbonneau
Pa: 978-0-691-17035-0 \$49.50 | £41.95



In Pursuit of the Traveling Salesman

William J. Cook

“Fascinating.”
—Pradeep Mutalik, Wordplay blog at *New York Times*

2014. 248 pages. 113 color illus.
19 halftones. 19 line illus. 2 tables.
Pa: 978-0-691-16352-9 \$16.95 | £14.95



Alice's Adventures in Wonderland

Lewis Carroll

“[Scratches] the itch many admirers of Carroll and Dalí have felt for too long.”
—Megan Volpert, *PopMatters*

2016. 136 pages. 19 color illus. 5 halftones.
Cl: 978-0-691-17002-2 \$24.95 | £19.95
Winner of a 2015 Gelett Burgess Children's Book Award

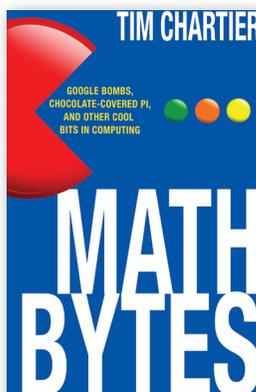


Mathematics and Art

Lynn Gamwell

“This is a marvelous coffee table book . . . very well researched and documented.”
—Adhemar Bultheel, *European Mathematical Society*

2016. 576 pages. 444 color illus. 102 line illus.
Cl: 978-0-691-16528-8 \$49.50 | £41.95

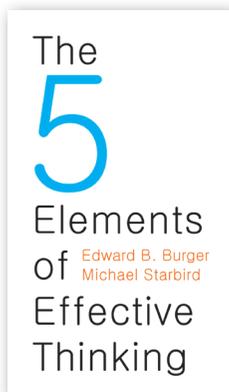


Math Bytes

Tim Chartier

“For readers who love math, computing and puzzles, *Math Bytes* will be a welcome gift.”
—George Erdosh, *San Francisco Book Review*

2014. 152 pages. 89 color illus.
19 halftones. 20 line illus. 10 tables.
Cl: 978-0-691-16060-3 \$24.95 | £19.95
One of Choice's Outstanding Academic Titles for 2014

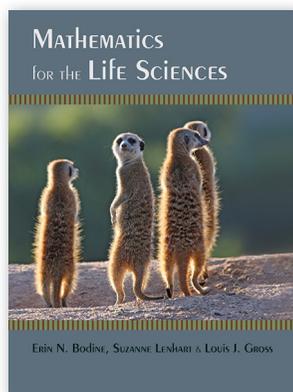


The 5 Elements of Effective Thinking

Edward R. Burger
& Michael Starbird

“[An] illuminating read.”
—David Wilson, *South China Morning Post*

2012. 168 pages. 1 line illus.
Cl: 978-0-691-15666-8 \$19.95 | £14.95
Winner of the 2013 Silver Medal in Self-Help, Independent Publisher Book Awards



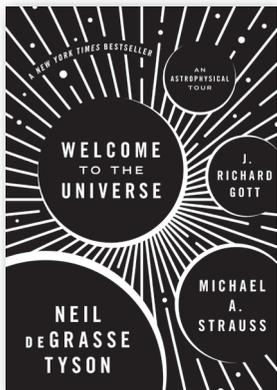
Mathematics for the Life Sciences

Erin N. Bodine,
Suzanne Lenhart &
Louis J. Gross

“Textbooks are not always fun, but this one is.”
—George Pryn Ford, *Biologist*

2014. 640 pages. 100 line illus.
Cl: 978-0-691-15072-7 \$90.00 | £74.95

SELECTIONS FROM THE BACKLIST



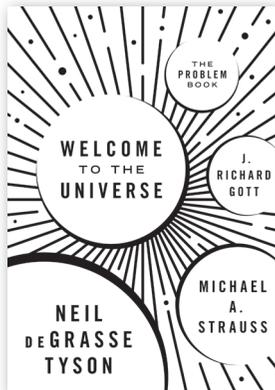
Welcome to the Universe: An Astrophysical Tour

Neil deGrasse Tyson, Michael A. Strauss & J. Richard Gott

“An entertaining introduction to astronomy.”

—*Kirkus*

2017. 480 pages. 95 color illus.
 Cl: 978-0-691-15724-5 \$39.95 | £29.95
 A New York Times Bestseller

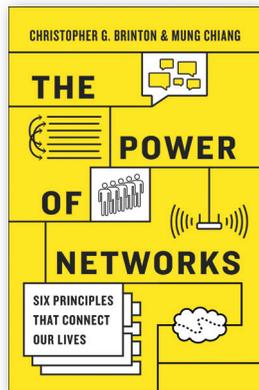


Welcome to the Universe: The Problem Book

Neil deGrasse Tyson, Michael A. Strauss & J. Richard Gott

“This book is a gold mine.”
 —David Weinberg, Ohio State University

2017. 264 pages. 14 line illus.
 Pa: 978-0-691-17781-6 \$35.00 | £27.95
 Cl: 978-0-691-17780-9 \$65.00 | £54.95

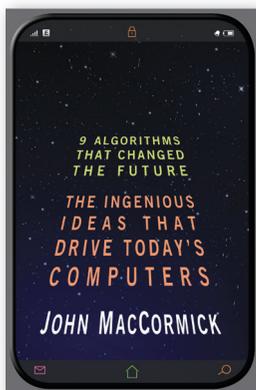


The Power of Networks

Christopher G. Brinton & Mung Chiang

“Authoritative but accessible.”
 —Dominic Lenton, *Engineering and Technology*

2017. 328 pages. 25 halftones.
 198 line illus. 12 tables.
 Cl: 978-0-691-17071-8 \$35.00 | £27.95

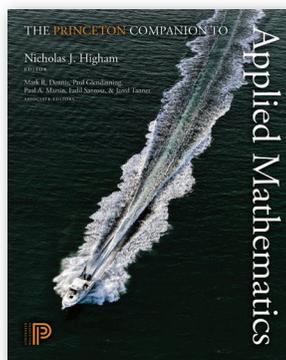


Nine Algorithms That Changed the Future

John MacCormick

“An extraordinary achievement.”
 —Ernest Davis, *SIAM News*

2013. 232 pages. 5 halftones. 98 line illus.
 1 table.
 Pa: 978-0-691-15819-8 \$16.95 | £14.95
 Honorable Mention, 2012 Award for Best Professional/Scholarly Book in Computing & Information Sciences, Association of American Publishers

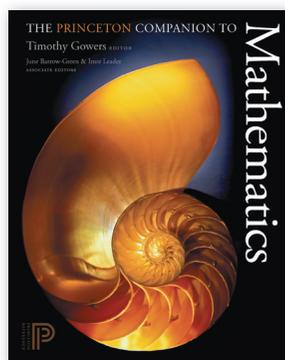


The Princeton Companion to Applied Mathematics

Nicholas J. Higham

“[An] impressive volume.”
 —Adhemar Bultheel, *European Mathematical Society*

2016. 1016 pages. 23 color illus.
 20 halftones. 160 line illus.
 Cl: 978-0-691-15039-0 \$99.50 | £83.95



The Princeton Companion to Mathematics

Timothy Gowers

“Accessible, technically precise and thorough account of all math’s major aspects.”
 —Tom Siegfried, *Science News*

2009. 1056 pages.
 Cl: 978-0-691-11880-2 \$99.50 | £83.95
 One of Choice’s Outstanding Academic Titles for 2009

INDEX | ORDER FORM

Qty	ISBN	Title: Author	Page	US Price	UK Price	Qty	ISBN	Title: Author	Page	US Price	UK Price
___	Cl: 978-0-691-14837-3	Adams: Rays, Waves	18	\$85.00	£70.95	___	Cl: 978-0-691-14175-6	Holden: Mathematics	15	\$29.95	£24.95
___	Pa: 978-0-691-17320-7	Adams: Zombies	21	18.95	14.95	___	Pa: 978-0-691-17546-1	Imai: Quantitative Social	7	49.50	41.95
___	Pa: 978-0-691-17543-0	Aschenbrenner et al.	10	75.00	62.95	___	Cl: 978-0-691-16703-9		7	95.00	79.95
___	Cl: 978-0-691-17542-3		10	165.00	137.95	___	Pa: 978-0-691-17483-9	Isett: Hölder Continuous Euler	11	75.00	62.95
___	Pa: 978-0-691-17851-6	Ash/Gross: Summing	22	16.95	14.95	___	Cl: 978-0-691-17482-2		11	165.00	137.95
___	Pa: 978-0-691-13088-0	Banner: Calculus Lifesaver	9	24.95	19.95	___	Cl: 978-0-691-15685-9	Katz et al.: Sourebook	14	95.00	79.95
___	Cl: 978-0-691-16767-1	Bauer: Unsolved!	15	35.00	27.95	___	Cl: 978-0-691-17654-3	Kernighan: Understanding	16	22.95	18.95
___	Cl: 978-0-691-17435-8	Baumberg: Secret Life	18	29.95	24.95	___	Cl: 978-0-691-16151-8	Lane: Power-Up	16	29.95	24.95
___	Cl: 978-0-691-16403-8	Beineke/Rosenhouse: Vol. I	12	75.00	62.95	___	Pa: 978-0-691-17778-6	Lightman et al.: Problem Book	19	49.95	41.95
___	Cl: 978-0-691-17192-0	Beineke/Rosenhouse: Vol. II	12	85.00	70.95	___	Cl: 978-0-691-17777-9		19	99.95	83.95
___	Pa: 978-0-691-17563-8	Benjamin et al.: Fascinating	22	19.95	14.95	___	Cl: 978-0-691-16140-2	Linnebo: Philosophy	14	29.95	24.95
___	Pa: 978-0-691-17653-6	Bernstein: Scalar, Vector	8	99.50	83.95	___	Pa: 978-0-691-15819-8	MacCormick: Nine Algorithms	24	16.95	14.95
___	Cl: 978-0-691-15120-5		8	185.00	154.95	___	Cl: 978-0-691-17066-4	MacCormick: What Can Be	5	85.00	70.95
___	Cl: 978-0-691-15072-7	Bodine et al.: Mathematics	23	90.00	74.95	___	Cl: 978-0-691-17690-1	Maor: Music by the Numbers	3	24.95	19.95
___	Cl: 978-0-691-17071-8	Brinton/Chiang: Power	24	35.00	27.95	___	Pa: 978-0-691-17811-0	Maor: To Infinity and Beyond	21	22.95	
___	Pa: 978-0-691-17695-6	Bub/Bub: Totally Random	19	22.95	18.95	___	Cl: 978-0-691-16614-8	McMahon et al.: Joy of SET	12	29.95	24.95
___	Cl: 978-0-691-15666-8	Burger/Starbird: 5 Elements	23	19.95	14.95	___	Cl: 978-0-691-17533-1	McRobie: Seduction of Curves	1	35.00	27.95
___	Cl: 978-0-691-17002-2	Carroll: Alice's Adventures	23	24.95	19.95	___	Pa: 978-0-691-14955-4	Miller: Probability Lifesaver	9	29.95	24.95
___	Pa: 978-0-691-17569-0	Chamberland: Single Digits	22	17.95	14.95	___	Cl: 978-0-691-14954-7		9	99.50	83.95
___	Pa: 978-0-691-17035-0	Charbonneau: Natural	22	49.50	41.95	___	Cl: 978-0-691-17779-3	Misner et al.: Gravitation	17	60.00	49.95
___	Cl: 978-0-691-16060-3	Chartier: Math Bytes	23	24.95	19.95	___	Pa: 978-0-691-16924-8	Nahin: Imaginary Tale	21	16.95	14.95
___	Pa: 978-0-691-16055-9	Chen/Feldman: Shock	11	75.00	62.95	___	Pa: 978-0-691-17591-1	Nahin: Dr. Euler's Fabulous	21	22.95	18.95
___	Cl: 978-0-691-16054-2		11	165.00	137.95	___	Pa: 978-0-691-17852-3	Nahin: In Praise of Simple	21	17.95	14.95
___	Pa: 978-0-691-15866-2	Clay/Margalit: Office Hours	10	55.00	45.95	___	Pa: 978-0-691-17600-0	Nahin: Logician	21	17.95	14.95
___	Pa: 978-0-691-16352-9	Cook: In Pursuit	23	16.95	14.95	___	Cl: 978-0-691-17169-2	Narayanan et al.: Bitcoin	8	49.50	41.95
___	Cl: 978-0-691-17486-0	Devlin: Finding Fibonacci	2	29.95	24.95	___	Pa: 978-0-691-17853-0	Penrose: Fashion, Faith	22	17.95	14.95
___	Pa: 978-0-691-16977-4	Diaconis/Graham: Magical	21	19.95	14.95	___	Pa: 978-0-691-17863-9	Pitici: Best Writing 2017	4	24.95	19.95
___	Cl: 978-0-691-17416-7	Diaconis/Skyrms: Ten Great	1	27.95	22.95	___	Cl: 978-0-691-15864-8	Salganik: Bit by Bit	7	35.00	27.95
___	Cl: 978-0-691-18061-8	Dintersmith: What School	4	24.95	19.95	___	Pa: 978-0-691-17854-7	Stillwell: Elements	22	21.95	17.95
___	Pa: 978-0-691-17575-1	Fernandez: Everyday	21	17.95	14.95	___	Cl: 978-0-691-17717-5	Stillwell: Reverse	3	24.95	19.95
___	Cl: 978-0-691-16863-0	Fernandez: Calculus	2	24.95	19.95	___	Pa: 978-0-691-17973-5	Strominger: Lectures	18	49.95	41.95
___	Pa: 978-0-691-17578-2	Fortnow: Golden Ticket	22	17.95	14.95	___	Cl: 978-0-691-17950-6		18	125.00	104.95
___	Cl: 978-0-691-16528-8	Gamwell: Mathematics	23	49.50	41.95	___	Cl: 978-0-691-15902-7	Thorne: Modern Classical	17	125.00	104.95
___	Cl: 978-0-691-11880-2	Gowers: Princeton	24	99.50	83.95	___	Cl: 978-0-691-15724-5	Tyson et al.: Astrophysical	24	39.95	29.95
___	Pa: 978-0-691-17293-4	Grinberg: Real Analysis	9	27.95	22.95	___	Pa: 978-0-691-17781-6	Tyson et al.: Problem Book	24	35.00	27.95
___	Cl: 978-0-691-17387-0		9	75.00	62.95	___	Cl: 978-0-691-17780-9		24	65.00	54.95
___	Cl: 978-0-691-16372-7	Gubser/Pretorius: Little Book	19	19.95	14.95	___	Pa: 978-0-691-17599-7	Van Brummelen: Heavenly	22	19.95	14.95
___	Cl: 978-0-691-17879-0	Gunning: Introduction	5	75.00	62.95	___	Pa: 978-0-691-17857-8	von Neumann: Mathematical	18	99.50	83.95
___	Cl: 978-0-691-16708-4	Harding/Pagan: Econometric	20	49.50	41.95	___	Cl: 978-0-691-17856-1		18	150.00	124.95
___	Pa: 978-0-691-17583-6	Harris: Mathematics without	22	22.95	18.95	___	Cl: 978-0-691-17417-4	von Plato: Great Formal	13	35.00	27.95
___	Pa: 978-0-691-17810-3	Havil: Gamma	21	18.95	14.95	___	Cl: 978-0-691-17171-5	Wagner: Making and Breaking	13	45.00	37.95
___	Cl: 978-0-691-16108-2	Herbst/Schorfheid: Bayesian	20	49.50	41.95	___	Cl: 978-0-691-17438-9	Zee: On Gravity	19	19.95	14.95
___	Cl: 978-0-691-17957-5	Hespanha: Linear Systems	6	85.00	70.95						
___	Cl: 978-0-691-17521-8	Hespanha: Noncooperative	6	65.00	54.95						
___	Cl: 978-0-691-15039-0	Higham: Princeton	24	99.50	83.95						



Many of the books in this catalog are now being made available as ebook editions that can be purchased from online booksellers. For more information, visit press.princeton.edu.

@PrincetonUniversityPress

@PrincetonUPress

blog.press.princeton.edu

@princetonupress

To receive email updates: press.princeton.edu/subscribe

U.S. & CANADA**SEND ORDERS TO**

Ingram Publisher Services/Jackson
 Attn.: Customer Service
 210 American Drive
 Jackson, TN 38301

ORDER TOLL-FREE

Telephone 1-800-343-4499

FAX 1-800-351-5073

IPSJacksonOrders@ingramcontent.com

ORDER ONLINE

press.princeton.edu

BOOKS SUBTOTAL _____

Sales tax subtotal* _____

Shipping and handling** _____

TOTAL _____

SALES TAX

**Sales tax is collected in California, Florida, Illinois, Michigan, Minnesota, New York, Tennessee, and Texas, please include the appropriate sales tax.*

SHIPPING & HANDLING

***Please contact Ingram at 1-800-343-4499 or visit press.princeton.edu to choose shipping methods and calculate cost.*

PAYMENT METHOD

Enclosed please find my check made payable to:

Ingram Publisher Services/Jackson

Please charge my:

Visa MasterCard American Express

U.K., EUROPE, AFRICA & the MIDDLE EAST**POST ORDERS TO**

Princeton University Press
 c/o John Wiley & Sons, Ltd.
 European Distribution Centre
 New Era Estate
 Oldlands Way, Bognor Regis
 West Sussex, PO22 9NQ United Kingdom

PHONE ORDERS

Telephone +44 (0) 1243 843291

FAX +44 (0) 1243 843302

customer@wiley.com

BOOKS SUBTOTAL _____

Please add the following to your order to cover delivery of your books.*

Surface Mail	Air Mail	
£3.70	n/a	UK _____
£5.35/€7.00	£12.75/€16.80	Europe _____
£7.75/\$13.95	£14.95/\$26.95**	ROW _____

TOTAL _____

**Delivery time is dependent on country of destination. Delivery will be arranged by John Wiley & Sons Ltd. Alternatively, you may collect your orders by prior arrangement. We can also quote for delivery by courier (please e-mail cs-books@wiley.co.uk for details).*

***Dollar cost applies to Rest of World (ROW) for those customers invoiced in dollars.*

PAYMENT METHOD

Enclosed please find my check made payable to:

John Wiley & Sons

Please charge my:

Visa MasterCard American Express

SEND MY ORDER TO

Name _____

Address _____

Credit Card # _____

Card Security Code _____

Exp. Date _____

Signature _____

Telephone _____

BILLING ADDRESS (if different)

Bookstores may order using the contact information above or may contact Princeton University Press's sales department:

609 258 4877 (phone)
 sales@press.princeton.edu

609 258 1335 (fax)

Prices are subject to change without notice.