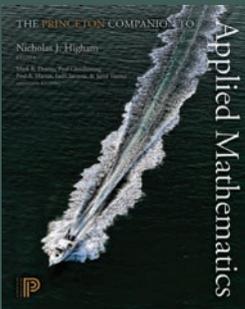
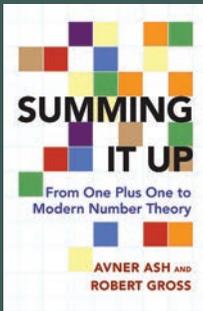
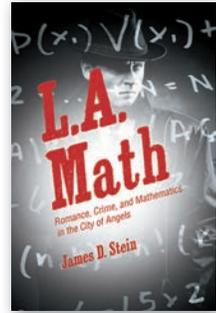
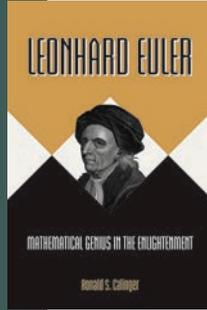
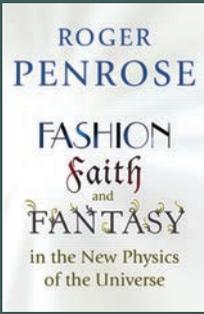


Mathematics 2016





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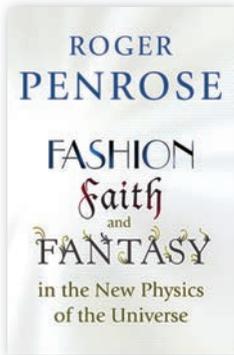
Forthcoming

Fashion, Faith, and Fantasy in the New Physics of the Universe

Roger Penrose

"This gem of a book is vintage Roger Penrose: eloquently argued and deeply original on every page. His perspective on the present crisis and future promise of physics and cosmology provides an important corrective to fashionable thinking at this crucial moment in science. This book deserves the widest possible hearing among specialists and the public alike."

—Lee Smolin, author of *Time Reborn: From the Crisis in Physics to the Future of the Universe*



What can fashionable ideas, blind faith, or pure fantasy possibly have to do with the scientific quest to understand the universe? Surely, theoretical physicists are immune to mere trends, dogmatic beliefs, or flights of fancy? In fact, acclaimed physicist and bestselling author Roger Penrose argues that researchers working at the extreme frontiers of physics are just as susceptible to these forces as anyone else. In this provocative book, he argues that fashion, faith, and fantasy, while sometimes productive and even essential in physics, may be leading today's researchers astray in three of the field's most important areas—string theory, quantum mechanics, and cosmology.

July 2016. 424 pages. 211 line illus.
CI: 978-0-691-11979-3 \$29.95 | £19.95

New

The Princeton Companion to Applied Mathematics

Edited by Nicholas J. Higham

Mark R. Dennis, Paul Glendinning, Paul A. Martin, Fadil Santosa & Jared Tanner, associate editors

"Monumental and comprehensive, *The Princeton Companion to Applied Mathematics* does a breathtaking job of conveying the richness, depth, and vitality of today's applied mathematics. Better still, it does so in a remarkably clear and friendly voice. An instant classic."

—Steven Strogatz, Cornell University and author of *The Joy of x*

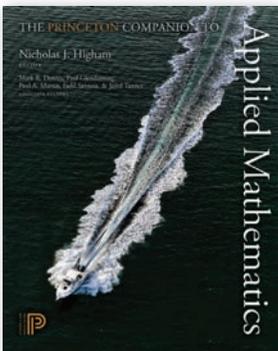
"This book will be a landmark for decades ahead."

—Nick Trefethen, University of Oxford

This is the most authoritative and accessible single-volume reference book on applied mathematics. Featuring numerous entries by leading experts and organized thematically, it introduces readers to applied mathematics and its uses; explains key concepts; describes important equations, laws, and functions; looks at exciting areas of research; covers modeling and simulation; explores areas of application; and more.

Modeled on the popular *Princeton Companion to Mathematics*, this volume is an indispensable resource for undergraduate and graduate students, researchers, and practitioners in other disciplines seeking a user-friendly reference book on applied mathematics.

2015. 1032 pages. 23 color illus. 20 halftones. 160 line illus.
CI: 978-0-691-15039-0 \$99.50 | £69.95



New

Alice's Adventures in Wonderland

150th Anniversary Edition Illustrated by Salvador Dalí

Lewis Carroll

Edited by Mark Burstein

"[This] is the copy of *Alice's Adventures* you keep after having given all the other celebratory variants away.... [T]wo weird and/or wonderful minds with much in common, harmonizing across the centuries to result in this very handsome modern edition."

—John Lloyd, *Bookbag*

Commemorating the 150th anniversary of one of the most beloved classics of children's literature, this illustrated edition presents Alice like you've never seen her before. This beautiful new edition of *Alice's Adventures in Wonderland* features rarely seen illustrations by Salvador Dalí that illuminate the surreal yet curiously logical and mathematical realm into which Alice famously falls. In an informative and wide-ranging introduction, Carroll expert Mark Burstein discusses Dalí's connections with Carroll, his treatment of the symbolic figure of Alice, and the mathematical nature of Wonderland. In addition, mathematician Thomas Banchoff reflects on the friendship he shared with Dalí and explores the mathematical undercurrents in Dalí's work.

Published in association with the National Museum of Mathematics

2015. 136 pages. 19 color illus. 5 halftones.

Cl: 978-0-691-17002-2 \$24.95 | £16.95



New

Mathematics and Art

A Cultural History

Lynn Gamwell

Foreword by Neil deGrasse Tyson

"Lynn Gamwell is a singular intellect and this is a singular book. Her text weaves together philosophy, art, science, and mathematics in their historical settings. The illustrations are absolutely stunning. Her eye for the juxtaposition of art images, math diagrams, text, and marginal quotations makes turning every page a delight. Each chapter leaves the reader with a sense of beauty, insight, and truth."

—Eric J. Heller, Harvard University

This is a cultural history of mathematics and art, from antiquity to the present. Mathematicians and artists have long been on a quest to understand the physical world they see before them and the abstract objects they know by thought alone. Taking readers on a tour of the practice of mathematics and the philosophical ideas that drive the discipline, Lynn Gamwell points out the important ways mathematical concepts have been expressed by artists. Demonstrating how mathematical ideas are embodied in the visual arts, *Mathematics and Art* will enlighten all who are interested in the complex intellectual pursuits, personalities, and cultural settings that connect these vast disciplines.

2015. 576 pages. 444 color illus. 102 line illus.

Cl: 978-0-691-16528-8 \$49.50 | £34.95



New

Creating Symmetry

The Artful Mathematics of Wallpaper Patterns

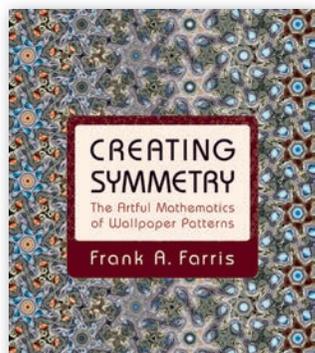
Frank A. Farris

"[A] beautifully illustrated guide to fusing mathematical and artistic creativity to generate fascinating and visually appealing designs."

—Evelyn Lamb, *Scientific American*

"Frank's rich artistry vibrantly enlivens the mathematics of symmetry. What a treat for the eye and the mind!"

—Michael Starbird, University of Texas at Austin



This lavishly illustrated book provides a hands-on, step-by-step introduction to the intriguing mathematics of symmetry. Instead of breaking up patterns into blocks—a sort of potato-stamp method—Frank Farris offers a completely new waveform approach that enables you to create an endless variety of rosettes, friezes, and wallpaper patterns: dazzling art images where the beauty of nature meets the precision of mathematics. Featuring more than 100 stunning color illustrations and requiring only a modest background in math, *Creating Symmetry* features numerous examples and exercises throughout, as well as engaging discussions of the history behind the mathematics presented in the book.

2015. 248 pages. 103 color illus.

Cl: 978-0-691-16173-0 \$35.00 | £24.95

Forthcoming

Summing It Up

From One Plus One to Modern Number Theory

Avner Ash & Robert Gross

"*Summing It Up* ambitiously presents concepts of number theory, from the elementary to the advanced, for readers with only a knowledge of high school math and some calculus. With a crisp yet conversational style and excellent examples, Ash and Gross explain a great amount of interesting and important math."

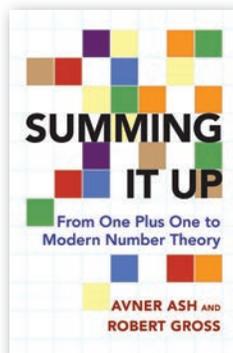
—James Pommersheim, coauthor of *Number Theory*

"[A] mathematics tour starting with very classical material and building towards some amazing recent work."

—Nathan Kaplan, University of California, Irvine

June 2016. 248 pages. 16 line illus. 4 tables.

Cl: 978-0-691-17019-0 \$27.95 | £19.95



Also by Avner Ash & Robert Gross

Elliptic Tales

Curves, Counting, and Number Theory

2014. 280 pages. 52 line illus. 16 tables.

Pa: 978-0-691-16350-5 \$16.95 | £11.95

Cl: 978-0-691-15119-9 \$29.95 | £19.95

Fearless Symmetry

Exposing the Hidden Patterns of Numbers

With a new preface by the authors

2008. 312 pages. 1 halftone. 2 line illus.

Pa: 978-0-691-13871-8 \$30.95 | £21.95

New

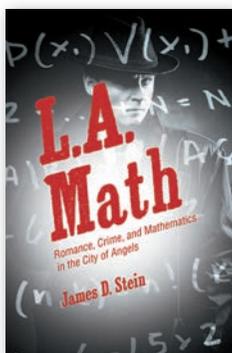
L.A. Math

Romance, Crime, and Mathematics in the City of Angels

James D. Stein

"I've always wanted to find a book that combines genuinely readable short stories with insights into math or science—in *L.A. Math*, James Stein pulls this off remarkably well. It's as if Ellery Queen, with the help of P. G. Wodehouse, spiced up a collection of detective tales with a generous handful of practical mathematics."

—Brian Clegg, author of *A Brief History of Infinity* and *Dice World*



Move over, Sherlock and Watson—there's a new detective duo to be reckoned with. In the entertaining short-story collection *L.A. Math*, freelance investigator Freddy Carmichael and his sidekick, Pete Lennox, show how math smarts can crack even the most perplexing cases. Freddy meets colorful personalities throughout Los Angeles and encounters mysterious circumstances from embezzlement and robbery to murder. In each story, Freddy's deductive instincts—and Pete's trusty math skills—solve the crime. Readers will not only be entertained, but also gain practical mathematics knowledge, ranging from percentages and probability to set theory, statistics, and the mathematics of elections.

2016. 256 pages. 4 line illus.
Cl: 978-0-691-16828-9 \$24.95 | £16.95

Forthcoming

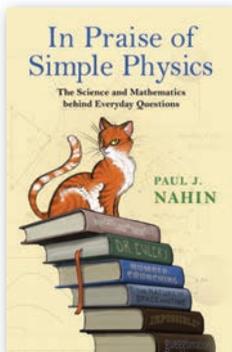
In Praise of Simple Physics

The Science and Mathematics behind Everyday Questions

Paul J. Nahin

"Many books that explore classical physics problems tend to be relentlessly sequential and completely humorless. In this book, Paul Nahin shows a lighter touch and he gives himself the necessary space to tell the mathematical story."

—Jens Zorn, professor emeritus of physics, University of Michigan



Physics can explain many of the things that we commonly encounter. It can tell us why the night is dark, what causes the tides, and even how best to catch a baseball. With *In Praise of Simple Physics*, popular math and science writer Paul Nahin presents a plethora of situations that explore the science and math behind the wonders of everyday life. Roaming through a diverse range of puzzles, he illustrates how physics shows us ways to wring more energy from renewable sources, to measure the gravity in our car garages, to figure out which of three light switches in the basement controls the light bulb in the attic, and much, much more.

June 2016. 296 pages. 1 halftone. 59 line illus. 3 tables.
Cl: 978-0-691-16693-3 \$29.95 | £19.95

Forthcoming Paperback

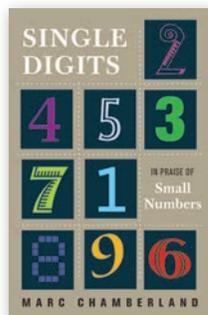
An Imaginary Tale

The Story of $\sqrt{-1}$

Paul J. Nahin

Princeton Science Library

April 2016. 296 pages. 1 halftone. 47 line illus.
Pa: 978-0-691-16924-8 \$16.95 | £11.95



New

Single Digits

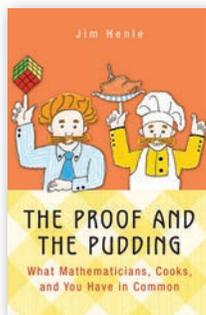
In Praise of Small Numbers
Marc Chamberland

"[C]onsistently entertaining and well-written. . . . [*Single Digits*] would be an ideal gift for a high school student who might have an interest in mathematics. It's also fun just to pick up and browse."
—William J. Satzer, *MAA Reviews*

The numbers one through nine have remarkable mathematical properties and characteristics. For instance, why do eight perfect card shuffles leave a standard deck of cards unchanged? Are there really "six degrees of separation" between all pairs of people? And how can any map need only four colors to ensure that no regions of the same color touch? In *Single Digits*, Marc Chamberland takes readers on a fascinating exploration of small numbers, from one to nine, looking at their history, applications, and connections to various areas of mathematics, including number theory, geometry, chaos theory, numerical analysis, and mathematical physics. Appealing to high school and college students, professional mathematicians, and those mesmerized by patterns, this book shows that single digits offer a plethora of possibilities that readers can count on.

2015. 240 pages. 24 halftones. 93 line illus. 18 tables.

Cl: 978-0-691-16114-3 \$26.95 | £18.95



New

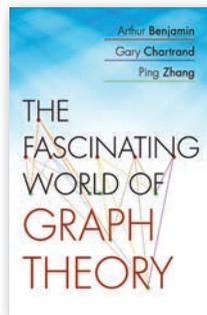
The Proof and the Pudding

What Mathematicians, Cooks, and You Have in Common
Jim Henle

"[D]elightful. . . . [*The Proof and the Pudding*] can inspire any of us who have been stuck on a math problem not to see our struggle as failure. . . . Henle helps us have fun in those dead ends."
—Evelyn Lamb, *Scientific American*

Take a tricky Sudoku puzzle and a cake that fell. Henle shows you that the best way to deal with cooking disasters is also the best way to solve math problems. Or take an L-shaped billiard table and a sudden desire for Italian potstickers. He explains how preferring geometry over algebra (or algebra over geometry) is just like preferring a California roll to chicken tikka masala. Do you want to know why playfulness is rampant in math and cooking? Or how to turn stinky cheese into an awesome ice cream treat? It's all here: original math and original recipes plus the mathematical equivalents of vegetarianism, Asian fusion, and celebrity chefs. Pleasurable and lighthearted, *The Proof and the Pudding* is a feast for the intellect as well as the palate.

2015. 176 pages. 229 duotones. Cl: 978-0-691-16486-1 \$26.95 | £18.95



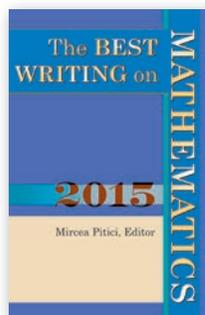
New

The Fascinating World of Graph Theory

Arthur Benjamin,
Gary Chartrand & Ping Zhang
" [The authors] have set out to make graph theory not only accessible to people with a limited mathematics background, but also to make it interesting. They have . . . succeeded admirably."
—Mark Hunacek, *MAA Reviews*

The fascinating world of graph theory goes back several centuries and revolves around the study of graphs—mathematical structures showing relations between objects. With applications in biology, computer science, transportation science, and other areas, graph theory encompasses some of the most beautiful formulas in mathematics—and some of its most famous problems. For example, what is the shortest route for a traveling salesman seeking to visit a number of cities in one trip? What is the least number of colors needed to fill in any map so that neighboring regions are always colored differently? This book explores the questions and puzzles that have been studied, and often solved, through graph theory. In doing so, the book looks at graph theory's development and the vibrant individuals responsible for the field's growth.

2014. 344 pages. 300 line illus. Cl: 978-0-691-16381-9 \$29.95 | £19.95



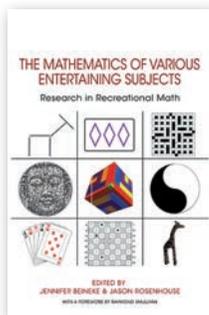
New Paperback
The Best Writing on Mathematics 2015
 Edited by Mircea Pitici

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 2015* 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 offer surprising insights into the nature, meaning, and practice of mathematics today. They delve into the history, philosophy, teaching, and everyday occurrences of math, and take readers behind the scenes of today's hottest mathematical debates. In addition to presenting the year's most memorable writings on mathematics, this must-have anthology includes a bibliography of other notable writings and an introduction by the editor, Mircea Pitici.

2016. 392 pages. 25 color illus. 10 halftones. 95 line illus.
 Pa: 978-0-691-16965-1 \$24.95 | £16.95

The Best Writing on Mathematics 2014
 Edited by Mircea Pitici

2014. 376 pages. 34 color illus. 60 halftones. 30 line illus.
 Pa: 978-0-691-16417-5 \$24.95 | £16.95



New
The Mathematics of Various Entertaining Subjects
 Research in Recreational Math
 Edited by Jennifer Beineke & Jason Rosenhouse
 With a foreword by Raymond Smullyan

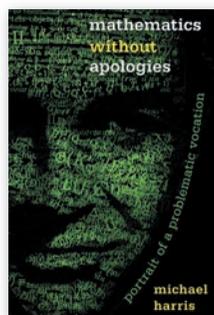
"The Mathematics of Various Entertaining Subjects provides a plethora of elegant and surprising mathematical results that were originally motivated by, or found applications in, games and puzzles. The diverse questions, engaging work, and novel, often beautiful solutions make this book an excellent survey."

—David Neel, Seattle University

The history of mathematics is filled with major breakthroughs resulting from solutions to recreational problems. Problems of interest to gamblers led to the modern theory of probability, for example, and surreal numbers were inspired by the game of Go. Yet research in recreational mathematics has often been neglected. *The Mathematics of Various Entertaining Subjects* brings together authors from a variety of specialties to present fascinating problems and solutions in recreational mathematics.

Published in association with the National Museum of Mathematics

2016. 296 pages. 50 color illus. 20 halftones. 80 line illus.
 Cl: 978-0-691-16403-8 \$75.00 | £52.00



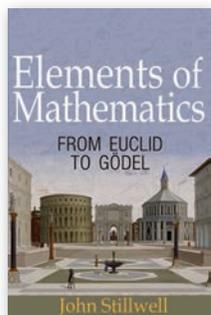
New
Mathematics without Apologies
 Portrait of a Problematic Vocation
 Michael Harris

"This extraordinary, extravagant Apologia pro Vita Sua ... heads off in many directions and is all the more admirable for it. The book is part memoir, part account of the arcane research that brought number theorist Harris a measure of fame, and part sociological/economic study of academic mathematics. Together with interspersed chapters amusingly titled 'How to Explain Number Theory at a Dinner Party,' the work offers erudition, panache, and an intriguing authorial voice.... A book to be read and then read again."

—Choice

Disarmingly candid, relentlessly intelligent, and richly entertaining, *Mathematics without Apologies* takes readers on an unapologetic guided tour of the mathematical life, from the philosophy and sociology of mathematics to its reflections in film and popular music, with detours through the mathematical and mystical traditions of Russia, India, medieval Islam, the Bronx, and beyond.

2015. 464 pages. 16 halftones. 34 line illus.
 Cl: 978-0-691-15423-7 \$29.95 | £19.95



Forthcoming

Elements of Mathematics From Euclid to Gödel John Stillwell

"This is a beautifully written overview and excursion through elementary mathematics, written to appeal to nonspecialists. The book is distinguished by its breadth of scope and precise details. It will be a classic in the field."

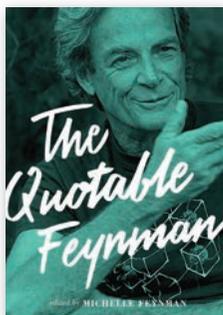
—David Bressoud, Macalester College

Elements of Mathematics takes readers on a fascinating tour that begins in elementary mathematics—but, as John Stillwell shows, this subject is not as elementary or straightforward as one might think. Not all topics that are part of today's elementary mathematics were always considered as such, and great mathematical advances and discoveries had to occur in order for certain subjects to become "elementary." Stillwell examines elementary mathematics from a distinctive twenty-first-century viewpoint and describes not only the beauty and scope of the discipline, but also its limits.

Elements of Mathematics gives readers, from high school students to professional mathematicians, the highlights of elementary mathematics and glimpses of the parts of math beyond its boundaries.

June 2016. 400 pages. 8 halftones.
119 line illus.

Cl: 978-0-691-17168-5 \$39.95 | £27.95



New

The Quotable Feynman Edited by Michelle Feynman With a foreword by Brian Cox and reflections on Richard Feynman by Yo-Yo Ma

"Feynman, who was curiosity itself in human form, can ignite our own craving to know like no one else. For those who haven't met him yet, you've just struck gold. Open these pages and enjoy the company of one of nature's most marvelous minds."

—Alan Alda

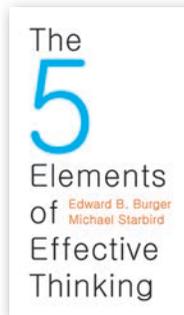
"Everybody who met Richard Feynman has a Feynman story and it's almost always a good one. But here is what we really want—the thoughts and confessions and insights and jokes and warnings from the man himself, all in his own inimitable voice."

—Christopher Sykes, producer of the BBC's *The Pleasure of Finding Things Out*

The Quotable Feynman vividly demonstrates Feynman's astonishing yet playful intelligence, and his almost constitutional inability to be anything other than unconventional, engaging, and inspiring. The result is a unique, illuminating, and enjoyable portrait of Feynman's life and thought that will be cherished by his fans at the same time that it provides an ideal introduction to Feynman.

2015. 432 pages. 20 halftones.

Cl: 978-0-691-15303-2 \$24.95 | £16.95



The 5 Elements of Effective Thinking Edward B. Burger & Michael Starbird

"If you remember being told by your teachers to think harder and having no idea how, *The 5 Elements of Effective Thinking* should help.... This is a snappy, illuminating read that should appeal to anyone who has ever dreamed of being a genius and is willing to strive, step by step, to become one."

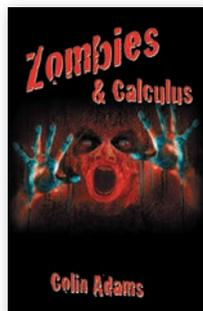
—David Wilson, *South China Morning Post*

The 5 Elements of Effective Thinking presents practical, lively, and inspiring ways for you to become more successful through better thinking. The idea is simple: you can learn how to think far better by adopting specific strategies. Brilliant people aren't a special breed—they just use their minds differently. By using the straightforward and thought-provoking techniques in *The 5 Elements of Effective Thinking*, you will regularly find imaginative solutions to difficult challenges, and you will discover new ways of looking at your world and yourself—revealing previously hidden opportunities.

2012. 168 pages. 1 halftone.

Cl: 978-0-691-15666-8 \$19.95 | £13.95

Winner of the 2013 Silver Medal in Self-Help, Independent Publisher



Zombies and Calculus

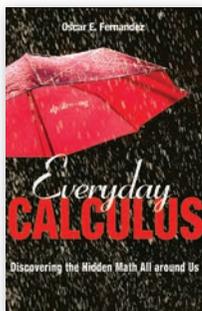
Colin Adams

"You'll laugh! You'll cry! You'll use calculus! So much for kids who say, 'When am I ever going to use calculus?' When you're trying to survive the zombie apocalypse, that's when."

—Nancy Szokan, *Washington Post*

Zombies and Calculus is the account of Craig Williams, a math professor at a small liberal arts college in New England, who, in the middle of a calculus class, finds himself suddenly confronted by a late-arriving student whose hunger is not for knowledge. As the zombie virus spreads and civilization crumbles, Williams uses calculus to help his small band of survivors defeat the hordes of the undead.

2014. 236 pages. 47 line illus. Cl: 978-0-691-16190-7 \$24.95 | £16.95



Everyday Calculus

Discovering the Hidden Math All around Us

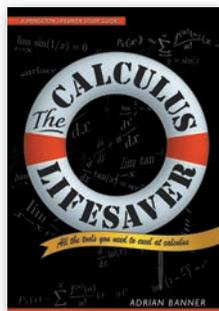
Oscar E. Fernandez

"Professor Fernandez is a delightfully quirky writer and his book *Everyday Calculus* is lighthearted and compelling, connecting mathematics to daily life."

—Robert Schaefer, *New York Journal of Books*

Whether you're new to mathematics or already a curious math enthusiast, *Everyday Calculus* invites you to spend a day discovering the calculus all around you. The book will convince even die-hard skeptics to view this area of math in a whole new way.

2014. 168 pages. 47 line illus. 1 table. Cl: 978-0-691-15755-9 \$24.95 | £16.95 One of American Association for the Advancement of Science's Books for General Audiences and Young Adults 2014



The Calculus Lifesaver

All the Tools You Need to Excel at Calculus

Adrian Banner

"Banner's style is informal, engaging and distinctly non-intimidating. . . . *The Calculus Lifesaver* is a welcome addition to the arsenal of calculus teaching aids."

—MAA Online

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. *The Calculus Lifesaver* combines ease of use and readability with the depth of content and mathematical rigor of the best calculus textbooks.

A Princeton Lifesaver Study Guide

2007. 752 pages. 350 line illus. Pa: 978-0-691-13088-0 \$24.95 | £16.95

Beautiful Geometry

Eli Maor & Eugen Jost

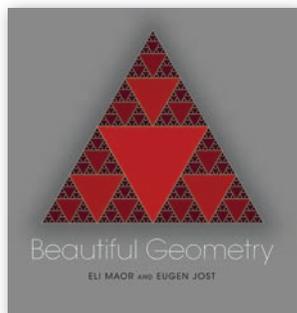
"Mathematicians sometimes compare well-constructed equations to works of art. To them, patterns in numbers hold a beauty at least equal to that found in any sonnet or sculpture. In this book, Maor, a math historian, teams with Jost, an artist, to reveal some of that mathematical majesty using jewel-like visualizations of classic geometric theorems."

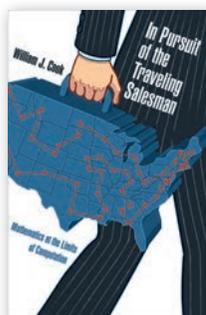
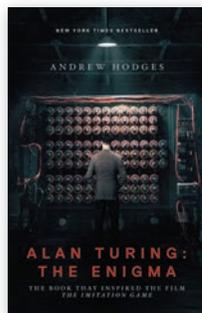
—Lee Billings, *Scientific American*

"Mathematicians always claim their subject is beautiful. Eli Maor and Eugen Jost prove it. This is geometry as you've never seen it before."

—Ian Stewart, author of *Visions of Infinity*

2014. 208 pages. 66 color illus. 64 line illus. Cl: 978-0-691-15099-4 \$27.95 | £19.95





Alan Turing: The Enigma

The Book That Inspired the Film *The Imitation Game*

Andrew Hodges

With a foreword by Douglas Hofstadter and a new preface by the author

“One of the finest scientific biographies ever written.”

—Jim Holt, *New Yorker*

“An almost perfect match of biographer and subject.”

—Ray Monk, *Guardian*

2014. 776 pages. 26 halftones. 20 line illus.
Pa: 978-0-691-16472-4 \$16.95 | £11.95
New York Times Bestseller

Winner of the 27th USC Libraries Scriptor Award, University of Southern California Libraries

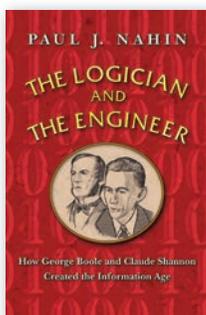
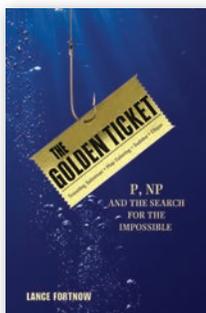
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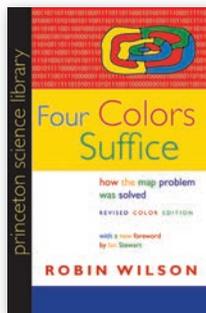
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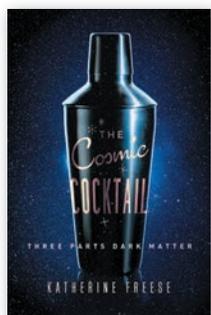
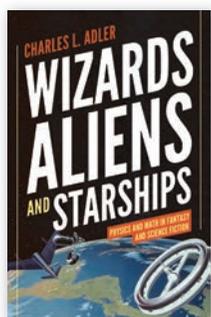
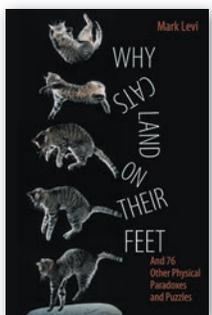
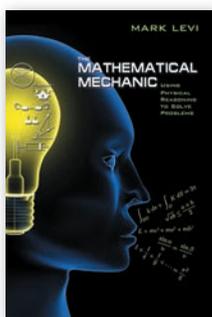
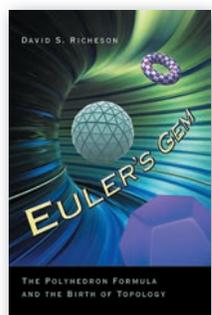
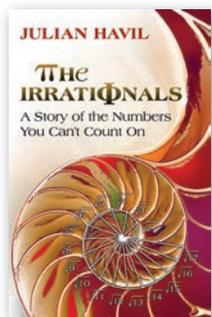
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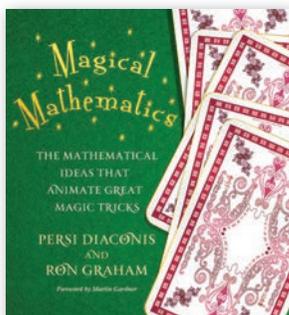
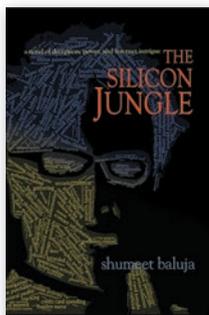
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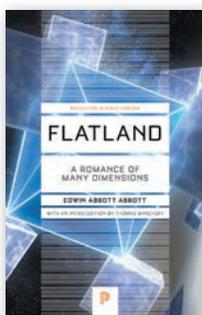
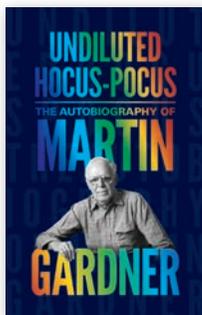
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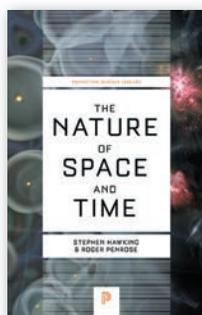
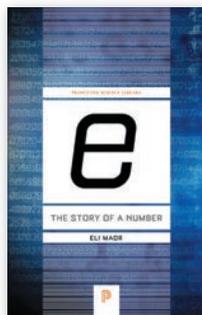
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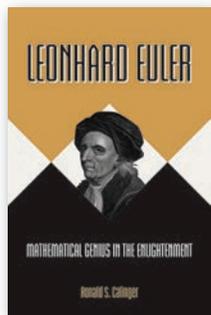
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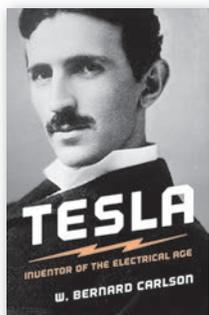
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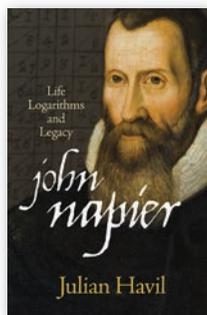
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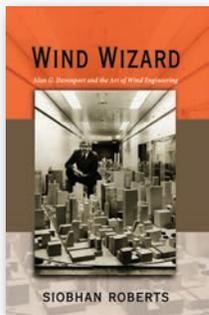
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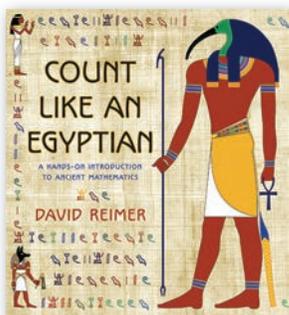
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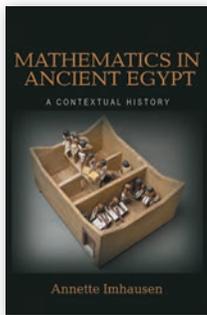
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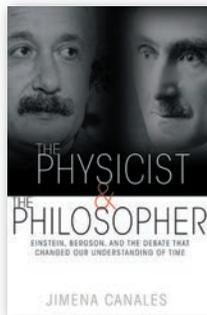
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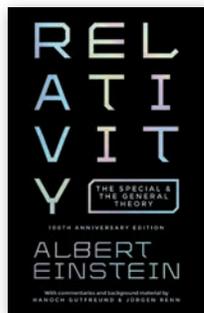
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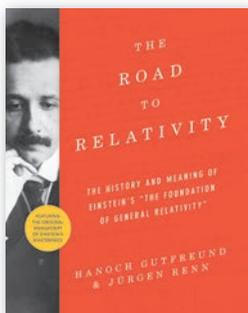
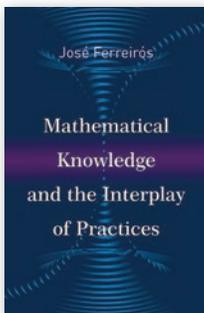
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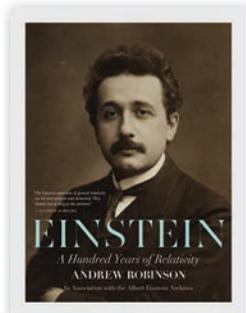
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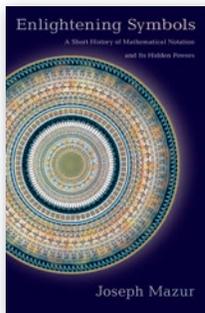
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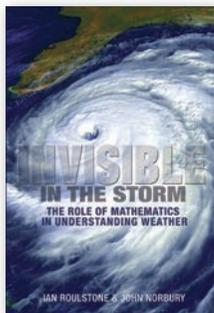
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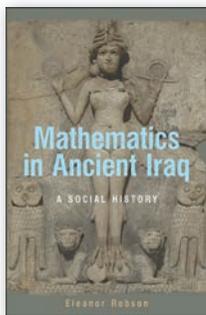
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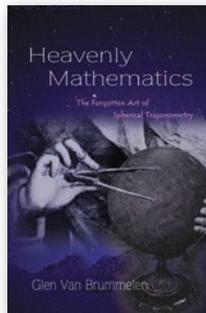
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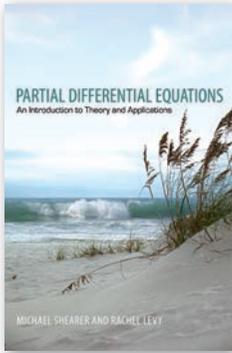
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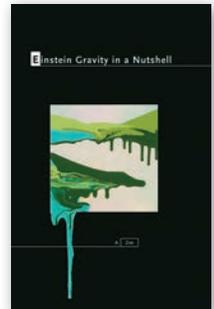
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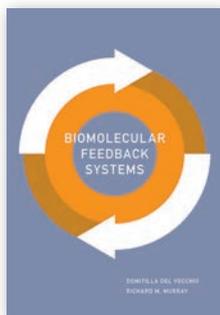
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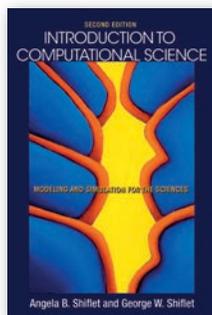
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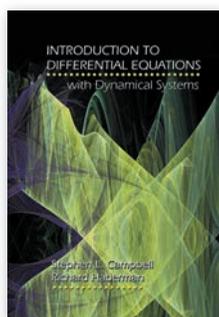
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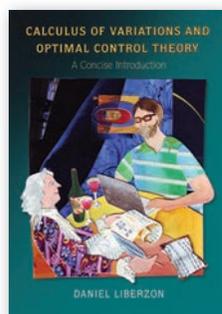
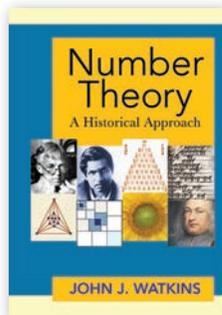
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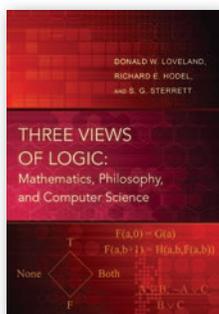
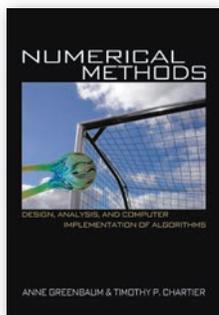
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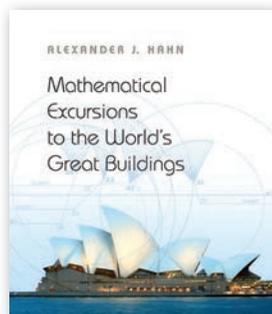
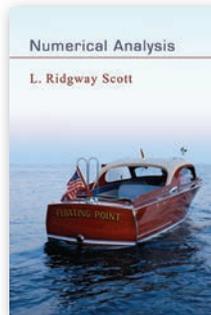
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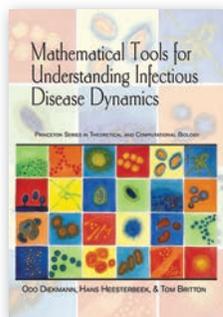
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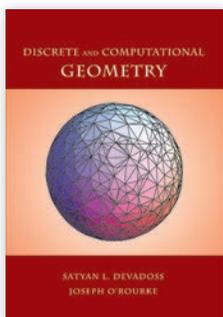
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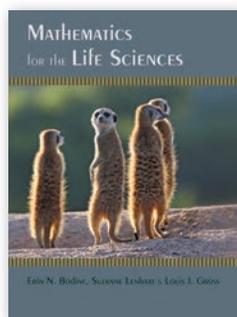


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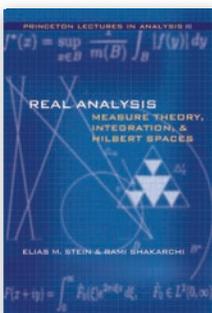
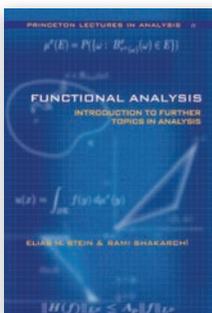
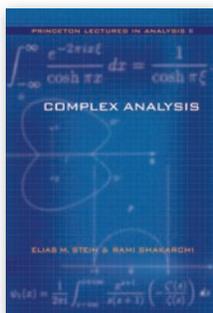
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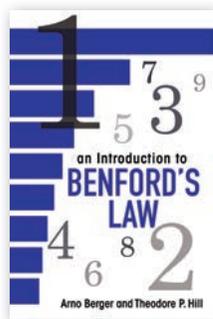
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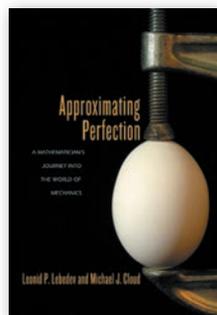
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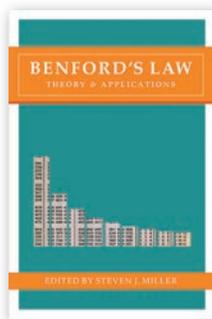
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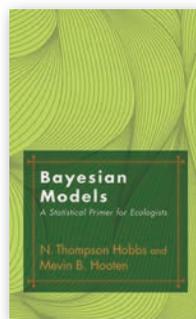
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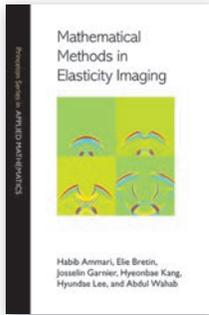
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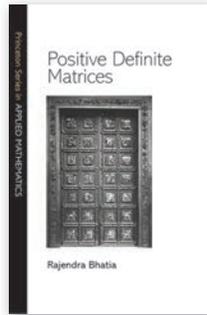
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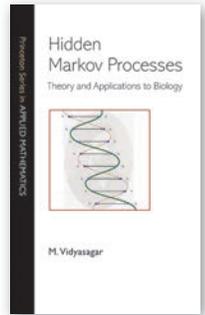
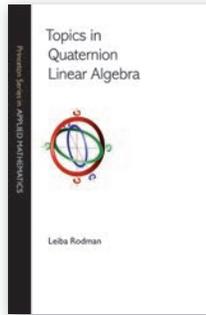
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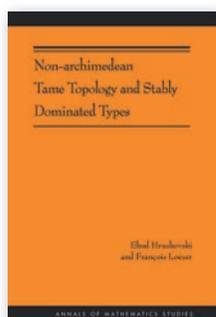
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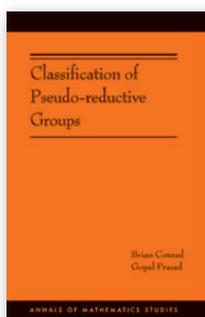
This book lays down model-theoretic foundations for non-archimedean geometry. The methods combine \mathcal{o} -minimality and stability theory. Definable types play a central role, serving first to define the notion of a point and then properties such as definable compactness.

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Brian Conrad & Gopal Prasad

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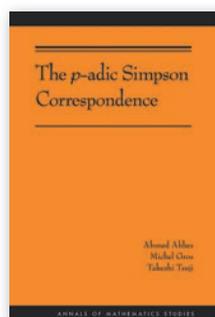
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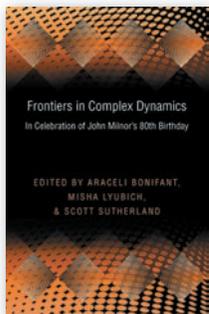
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