New

The Shape of a Life
One Mathematician’s Search for the Universe’s Hidden Geometry
SHING-TUNG YAU AND STEVE NADIS
Harvard geometer and Fields medalist Shing-Tung Yau has provided a mathematical foundation for string theory, offered new insights into black holes, and mathematically demonstrated the stability of our universe.
Hardcover 2019 328 pp. 49 b/w illus.
978-0-300-23590-6 $28.00

Fractal Worlds
Grown, Built, and Imagined
MICHAEL FRAME AND AMELIA URRY
A remarkable journey into the fascinating world of fractals by a poet and a mathematician, close collaborator with Benoît Mandelbrot, originator of the groundbreaking Mandelbrot set and “father of fractal geometry.”
Paper 2016 536 pp. 328 b/w illus.
978-0-300-19787-7 $25.00

Beautiful, Simple, Exact, Crazy
Mathematics in the Real World
APOORVA KHARE AND ANNA LACHOWSKA
Two master teachers affirm the power, beauty, and relevance of mathematics in a fun and quantitative world tour that introduces basic concepts and explores their natural and practical applications.
Paper 2015 480 pp. 72 b/w illus.
978-0-300-19089-2 $20.00

The Theory That Would Not Die
How Bayes’ Rule Cracked the Enigma Code, Hunted Down Russian Submarines, and Emerged Triumphant from Two Centuries of Controversy
SHARON BERTSCH MCGRAYNE
In this lively narrative history, noted science writer Sharon Bertsch McGrayne recounts the discovery of Bayes’ rule and reveals how this seemingly simple mathematical theorem ignited one of the greatest scientific controversies of all time.
Editor’s Choice, New York Times Book Review
978-0-300-18822-6 $16.00

Mathematics for Human Flourishing
FRANCIS SU; WITH REFLECTIONS BY CHRISTOPHER JACKSON
In this profound book, written for a diverse audience but especially for the disenchanted, an award-winning mathematician and educator weaves personal reflections, puzzles, and stories to show how mathematics cultivates virtues essential for human flourishing.
Available January 2020
Hardcover 2020 256 pp. 49 b/w illus.
978-0-300-23713-9 $26.00

Truth or Beauty
Science and the Quest for Order
DAVID ORRELL
In this sweeping book applied mathematician and popular author David Orrell questions the promises and pitfalls of associating beauty with truth, showing how ideas of mathematical elegance have inspired—and have sometimes misled—scientists attempting to understand our universe.
978-0-300-18661-1 $35.00

The Islands of Benoît Mandelbrot
Fractals, Chaos, and the Materiality of Thinking
NINA SAMUEL
A fascinating exploration of the role of fractals and other scientific imagery in art history and the development of ideas.
DISTRIBUTED FOR THE BARD GRADUATE CENTER, NY
Paper 2012 pp. 160 color + b/w illus.
978-0-300-18643-7 $40.00

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Masterpieces for Everyone
EDWARD SCHEINERMAN
This lively book presents an enticing invitation to nonmathematicians: to discover the pleasures of math and to explore intriguing mathematical ideas. The author presents an array of “masterpieces of mathematics” and shows convincingly that math is far more fascinating than just “finding x.”
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Physics and Dance

EMILY COATES AND SARAH DEMERS
How do we understand the phenomena that shape our experience? Two guides—a former member of New York City Ballet, Emily Coates, and a CERN particle physicist, Sarah Demers—show us how their respective disciplines can help us to understand both the quotidian and the deepest questions about the universe.

Paper 2019 192 pp. 62 b/w illus.
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DAVID BERCOVICI
In one hundred pages, more or less, a renowned geophysicist explains how everything everywhere in the universe came to be, from the Big Bang to the dawn of civilization, in a witty and enthralling introduction to cosmology, biology, climate science, evolution, and more.

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13.8

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JAMES OWEN WEATHERALL
The physics of stuff is familiar to us, but the physics of nothing? Fresh on the heels of his New York Times best-seller, The Physics of Wall Street, James Owen Weatherall explores this fundamental area of modern physics—and solidifies his reputation as a science writer to watch.

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From Stonehenge to Babylonian creation stories to the present day and beyond, astronomer and anthropologist Anthony Aveni weaves together science, culture, myth, and history to provide the essential book for understanding one of nature's grandest spectacles.

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This short book is both a primer that explains the history and politics of net neutrality and an argument for a more equitable framework for regulating the internet.
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Digital Studies
Yale UNIVERSITY PRESS
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This book draws on research of digital cities, improvisation in the performing arts, and design theory to offer a new view of future cities.
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This important book draws on two decades of pioneering social and ecological studies to arrive at a new way of planning for, building, and managing the complexities of cities in the twenty-first century.
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The Baltimore Ecosystem Study’s leading scientists synthesize key empirical findings from two decades of research, education, and community engagement in an urban setting.
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Table of Contents

Mathematics ...............................................2
Physics ........................................................3
Astronomy .....................................................4
Digital Studies ........................................5-7
History of Science & Technology ...........8-9
Urban Studies ...........................................10
Environmental Studies .............................11
Reference & Professional .........................12
Also of Interest ........................................13-14

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