



new in the library

July 2019 - Physics

"Fletcher manages to humanize a complicated scientific project while providing readers with a comprehensive guide to the cosmos."

Library Journal

EINSTEIN'S SHADOW

A Black Hole, a Band of Astronomers, and the Quest to See the Unseeable

SETH FLETCHER

"Offers a richly detailed account of the protagonists and their success against long odds. Mr. Kenefick is at his most compelling when dissecting and refuting accusations of bias that have shrouded the historic feat."

Ray Jayawardhana, Wall Street Journal

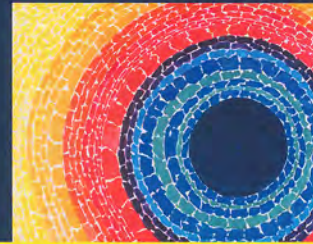
NO SHADOW of a DOUBT



DANIEL KENEFICK

ELEMENTARY PARTICLE PHYSICS

An Intuitive Introduction



"A unique blend of purely theoretical calculations and experimental analyses that are both accessible to undergraduates. The history of the field is not forgotten."

Christopher A. Aubin, Fordham University

String Theory in a Nutshell

Second Edition



"While providing the level of detail in the derivation of all central results necessary for an introductory textbook, Kiritsis maintains a brisk and steady pace, and includes a colloquial discussion of new concepts in every section."

Johannes Walcher, Mathematical Reviews



Jackson Pollock Physics | Artful Science

take me with you if you please



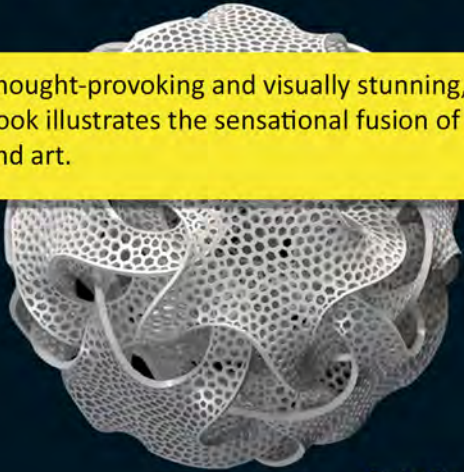
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July 2019 - Mathematics

MATH ART

TRUTH, BEAUTY, AND EQUATIONS

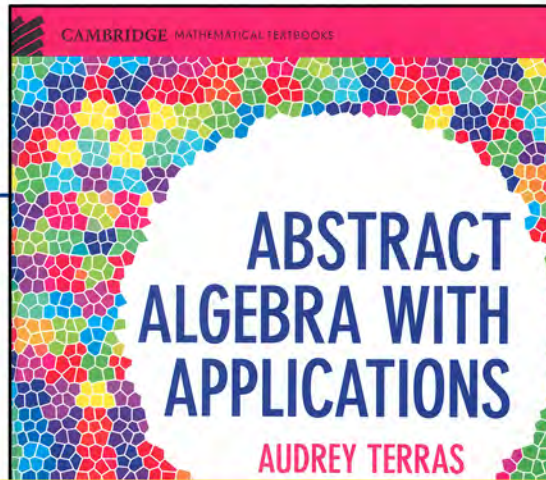
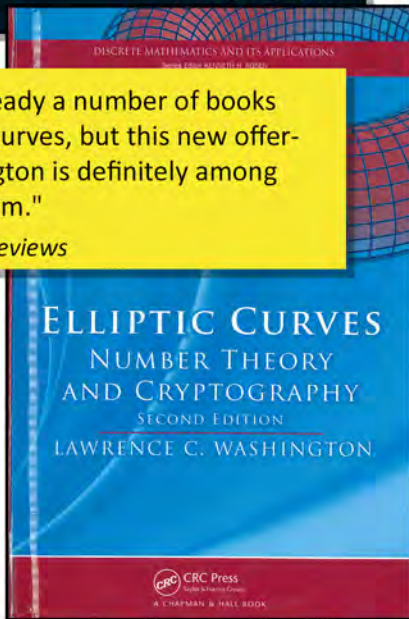
Thought-provoking and visually stunning, this book illustrates the sensational fusion of math and art.



Stephen Ornes

"There are already a number of books about elliptic curves, but this new offering by Washington is definitely among the best of them."

Mathematical Reviews



"Uncompromising in its rigor and breadth, is also entertaining and full of insights, useful visualizations and historical asides."

Jenia Tevelev, University of Massachusetts

Hugh Montgomery · Ashkan Nikeghbali
Michael Th. Rassias *Editors*

Exploring the Riemann Zeta Function

190 years from Riemann's Birth, a collection of chapters contributed by eminent experts devoted to the Riemann Zeta Function, its generalizations and their various applications, with a focus on both old and new results.



La Mesure de Toute Chose (1967), by Bernar Venet. Picture: Bernar Venet Collection

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"Is there too much pressure on scientists to publish? An excellent book exploring the growth and impact of science, scientific research, and scientists."

R.E. Buntrock, *Choice Connect*

GIANFRANCO
PACCHIONI

THE OVERPRODUCTION OF TRUTH

*Passion, Competition, and Integrity
in Modern Science*



"Each sentence, paragraph, chapter and figure, are thoughtful and erudite, providing the reader with insights and rigor to truly capture the physical and mathematical essence of each topic."

Stephen M. Griffies, *Princeton University*

Atmospheric and Oceanic Fluid Dynamics

Fundamentals and Large-Scale Circulation

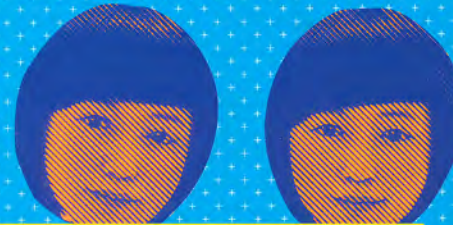
Second Edition

GEOFFREY K. VALLIS

The Big Idea

Will AI Replace Us ?

A primer for the 21st century



Are we on the threshold of an AI-dominated world, in which humans will no longer be necessary?

Thames & Hudson

Shelly Fan
General Editor: Matthew Taylor

ASTROBIOLOGY AND HUMANISM

*Conversations on Science,
Philosophy and Theology*

JULIAN CHELA-FLORES

Reviews the horizons and frontiers of humanism as they interact with the science of life in the universe, now generally known as "astrobiology".

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July 2019 - Other Fields



oppenheimer

THE TRIUMPH AND TRAGEDY OF
J. ROBERT
AMERICAN PROMETHEUS
KAI BIRD AND MARTIN J. SHERWIN
WINNER OF THE PULITZER PRIZE

'Reads like a thriller, gripping and terrifying by turns... No more absorbing biography will, I predict, come out this year, nor, given the dangers we face, a more important one.'
John Carver, Sunday Times

A portrait of scientist J. Robert Oppenheimer, the father of the atomic bomb, which discusses his role in the 20th-century scientific world, as well as his roles as family man and head of Princeton's Institute for Advanced Studies.

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