



## Through Two Doors at Once

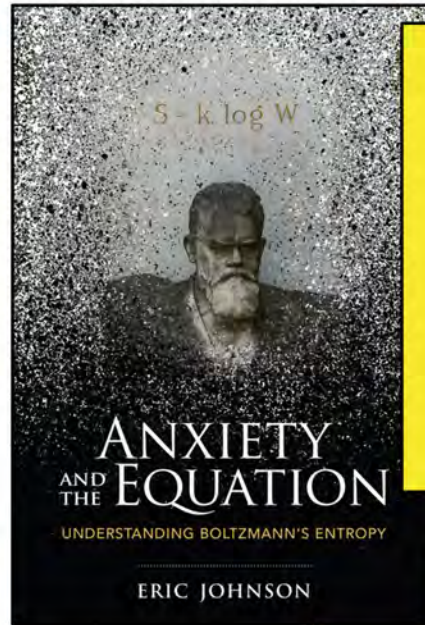
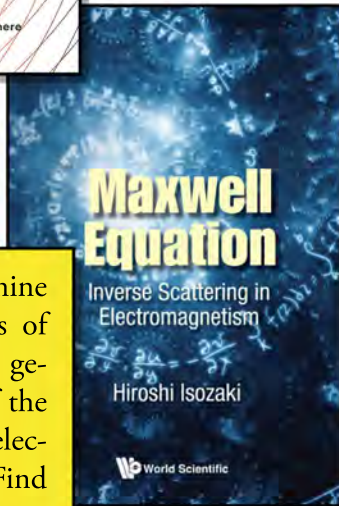
The Elegant Experiment That Captures the Enigma of Our Quantum Reality

Anil Ananthaswamy

Award-Winning Author of *The Man Who Wasn't There*

"A fascinating read and a must for anyone who would like to find out the latest experimental advances made in this most fundamental of physics worlds."

How can one determine the physical properties of the medium or the geometrical properties of the domain by observing electromagnetic waves? Find the answer at the frontier of inverse scattering theory for electromagnetism.



"A clear, lively, and accurate account of Ludwig Boltzmann's life and work and the meaning of his most famous contribution to science: the equation that describes the entropy of an isolated system."

Don S. Lemons



"Notwithstanding the grandeur of his subject, an age-old human question now become an active quest, Goldsmith treats the search for other worlds with wisdom, wit, and an often thrilling choice of words."

Dava Sobel, author of *The Glass Universe*

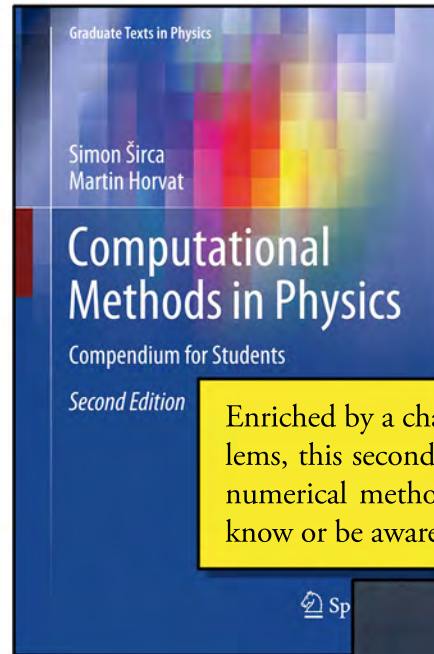




## Prime Numbers and the Riemann Hypothesis

Barry Mazur

"Written over a decade; it can be considered a collaborative work, in that each version was put online with the purpose of getting feedback."  
Massimo Nespolo



Enriched by a chapter on inverse problems, this second edition explains core numerical methods a physicist should know or be aware of.

## HARMONIC ANALYSIS FOR ENGINEERS AND APPLIED SCIENTISTS

A bridge between pure mathematics and the challenges of modern engineering, an exploration of fields such as robotics, mechanics, tomography, sensor calibration, estimation and control, liquid crystal analysis, and conformational statistics of macromolecules.

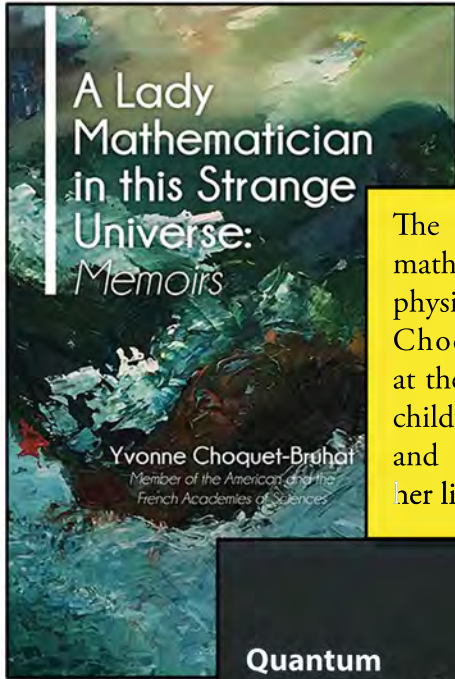
Gregory S. Chirikjian & Alexander B. Kyatkin

## TEN GREAT IDEAS ABOUT CHANCE

PERSI DIACONIS & BRIAN SKYRMS

"Clear and precise, at times pleasantly conversational, it does an excellent job of bringing together a broad array of ideas about probability statistics, and the general problem of induction."  
Steven N. Evans

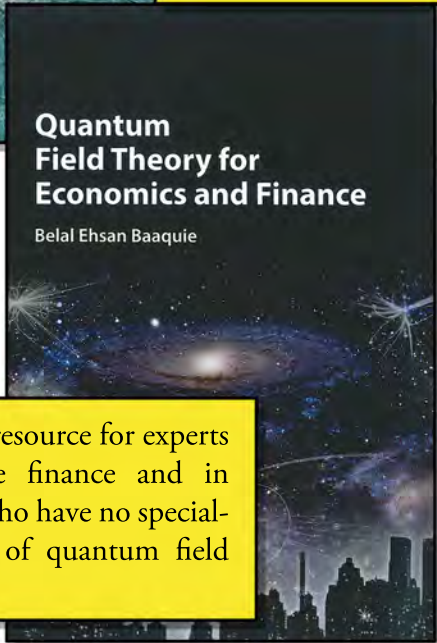




A Lady  
Mathematician  
in this Strange  
Universe:  
*Memoirs*

Yvonne Choquet-Bruhat  
*Member of the American and the  
French Academies of Sciences*

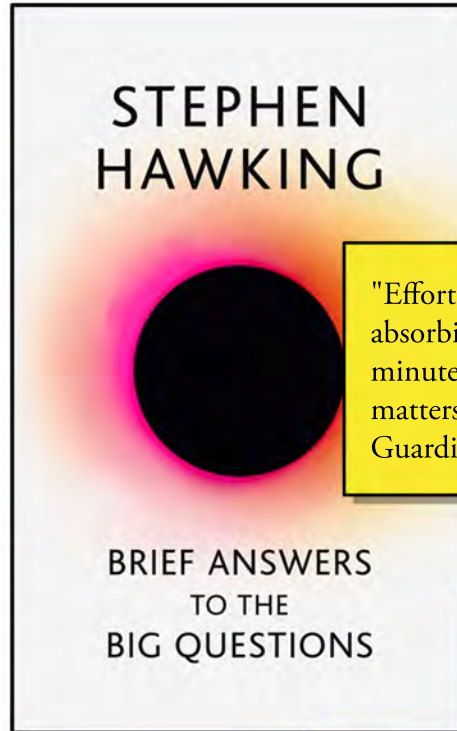
The distinguished mathematician and physicist, Yvonne Choquet-Bruhat, at the urging of her children, recounts and reflects upon her life.



Quantum  
Field Theory for  
Economics and Finance

Belal Ehsan Baaquie

An invaluable resource for experts in quantitative finance and in mathematics who have no specialist knowledge of quantum field theory.

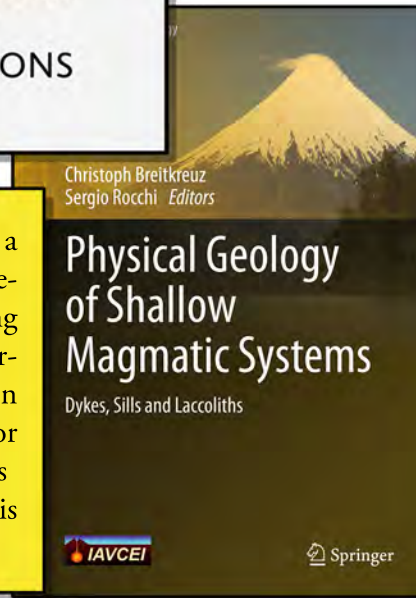


STEPHEN  
HAWKING

BRIEF ANSWERS  
TO THE  
BIG QUESTIONS

"Effortlessly instructive, absorbing, up to the minute and - where it matters - witty"  
Guardian

Provides readers a broad and comprehensive understanding of the subvolcanic perspective on pluton growth, relevant for mineralogical processes as well as the genesis of mineral deposits.



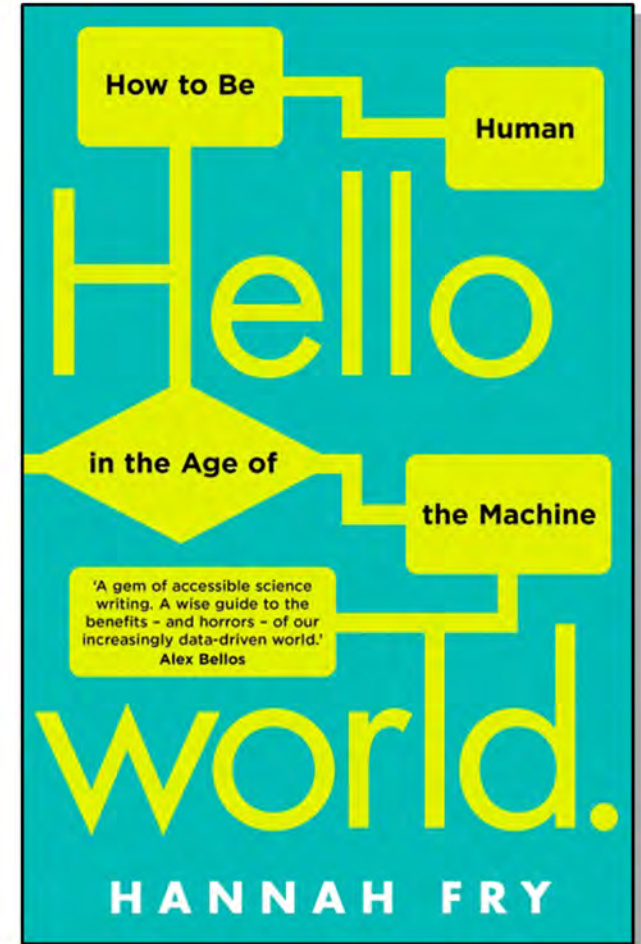
Christoph Breitzkreuz  
Sergio Rocchi *Editors*

Physical Geology  
of Shallow  
Magmatic Systems

Dykes, Sills and Laccoliths



Springer



How to Be

Human

Hello

in the Age of

the Machine

'A gem of accessible science writing. A wise guide to the benefits - and horrors - of our increasingly data-driven world.'  
Alex Bellos

world.

HANNAH FRY

"An action-packed, quick read ... you will be outraged, provoked, and challenged."  
Cathy O'Neill, author of Weapons of Math Destruction