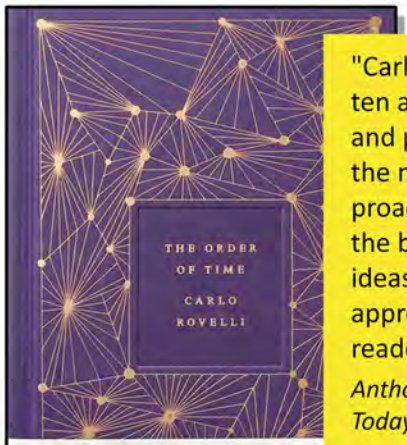
new in the library

March 2019 - Physics

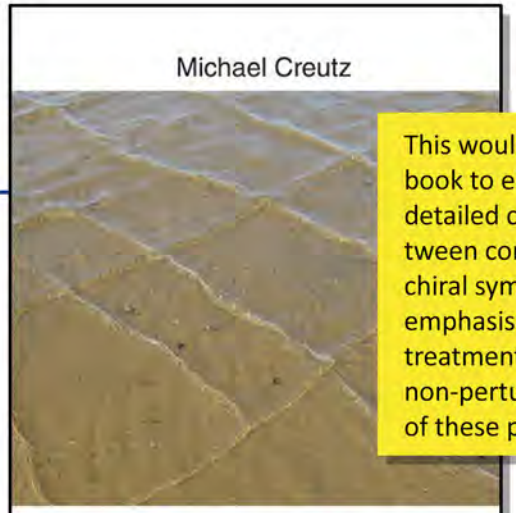


New from Carlo Rovelli

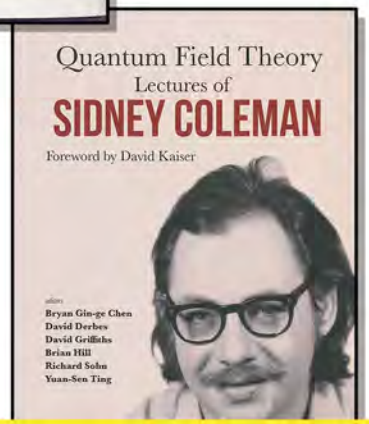
Bestselling author of
Seven Brief Lessons on Physics

"Carlo Rovelli has written a lovely, thoughtful, and poetic book about the nature of time. Approachable, and clear, the book is dense with ideas and insights. It's appropriate for a broad readership."

Anthony Aguirre, Physics Today

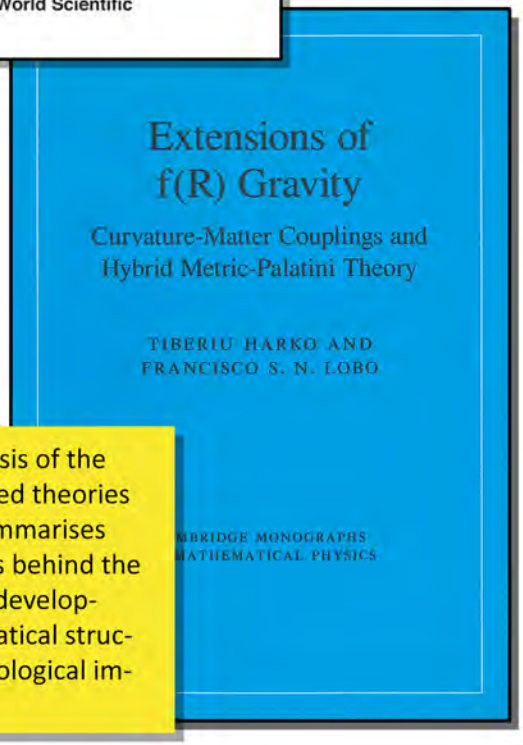


This would be the first book to elaborate on the detailed connections between confinement and chiral symmetry, with an emphasis on a unified treatment of the non-perturbative nature of these phenomena.



"Ah, quantum field theory: through Coleman's eyes we watch a victory parade that made 'the spectator gasp with awe and laugh with joy!'"

Anthony Zee, Kavli Institute for Theoretical Physics



Providing analysis of the leading, modified theories of gravity, it summarises the motivations behind the theories, their development, mathematical structure, and cosmological implications.

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available only until the end of April

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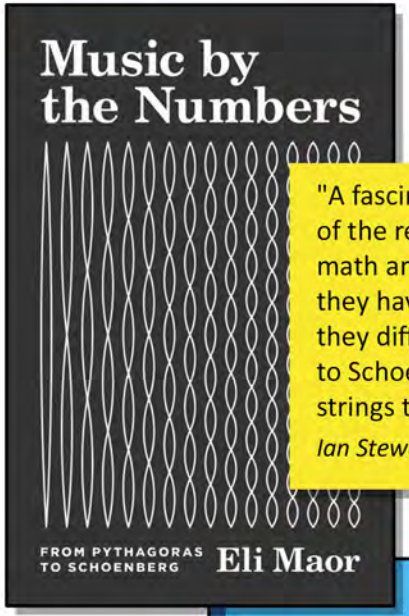
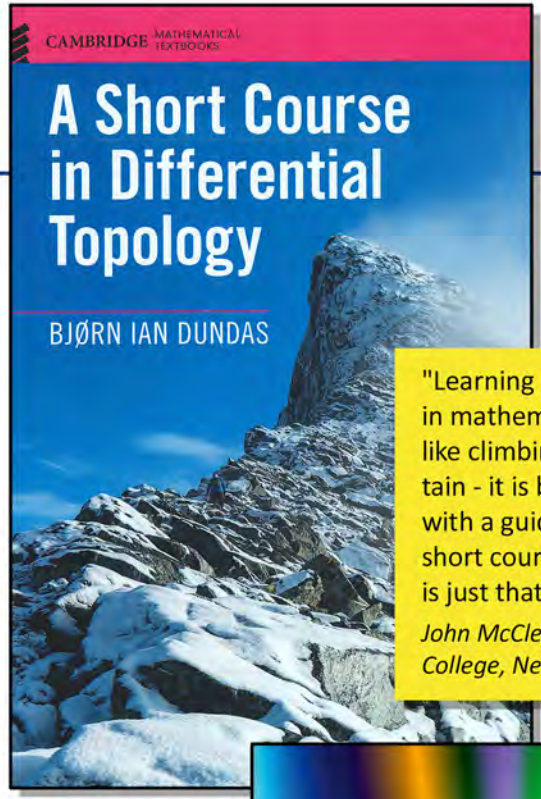
March 2019 - Mathematics



"A fascinating investigation of the relationship between math and music—what they have in common, how they differ, from Pythagoras to Schoenberg, from violin strings to superstrings."

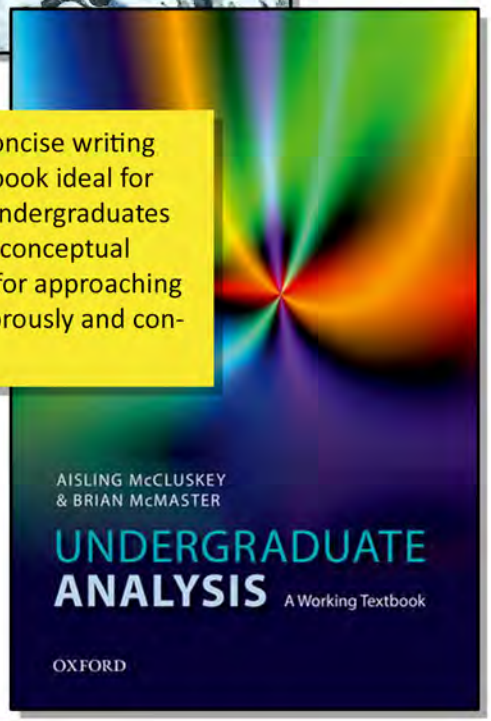
Ian Stewart



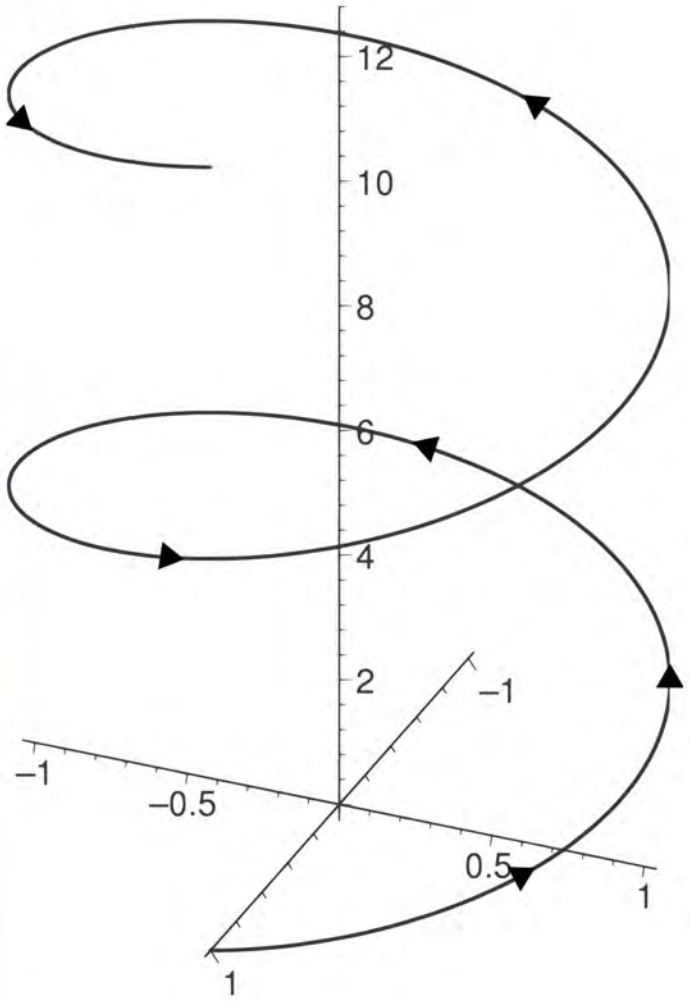
"Learning some topics in mathematics is a bit like climbing a mountain - it is best done with a guide. In this short course, Dundas is just that guide."

John McCleary, Vassar College, New York

A comprehensive and indispensable reference source for anyone interested in both classical and modern knot theory. Most of the topics are considered and developed in detail.



The clear, concise writing makes this book ideal for equipping undergraduates with a solid conceptual framework for approaching analysis rigorously and confidently.



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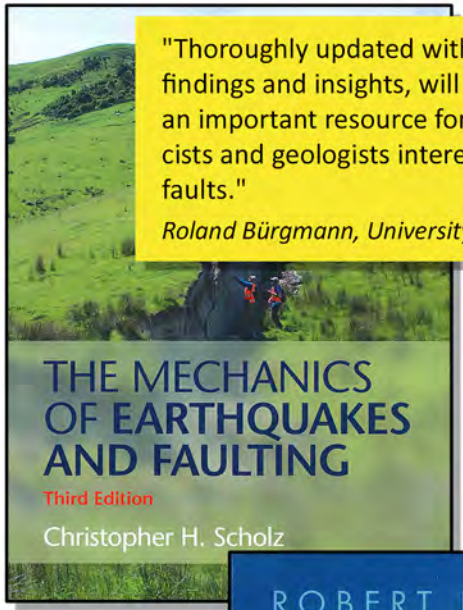
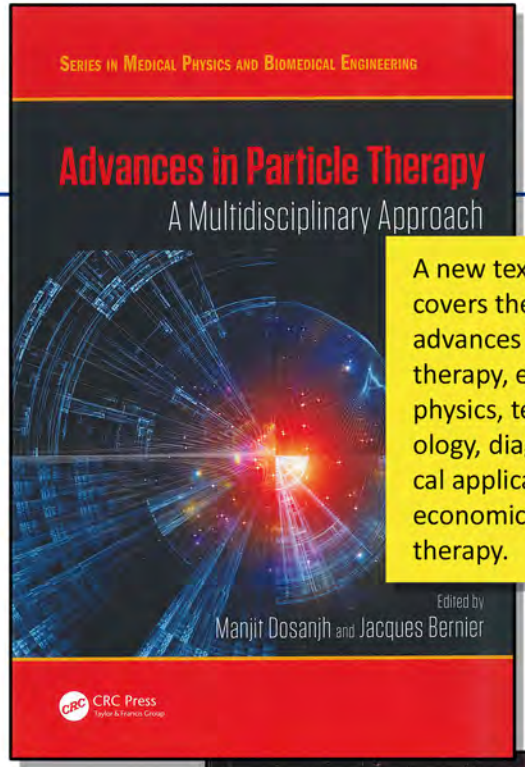
March 2019 - Other Fields

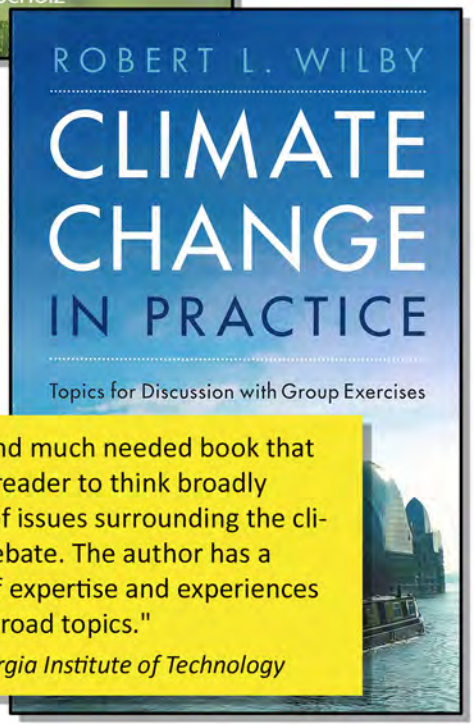


"Thoroughly updated with the latest findings and insights, will continue to be an important resource for all geophysicists and geologists interested in active faults."

Roland Bürgmann, University of California

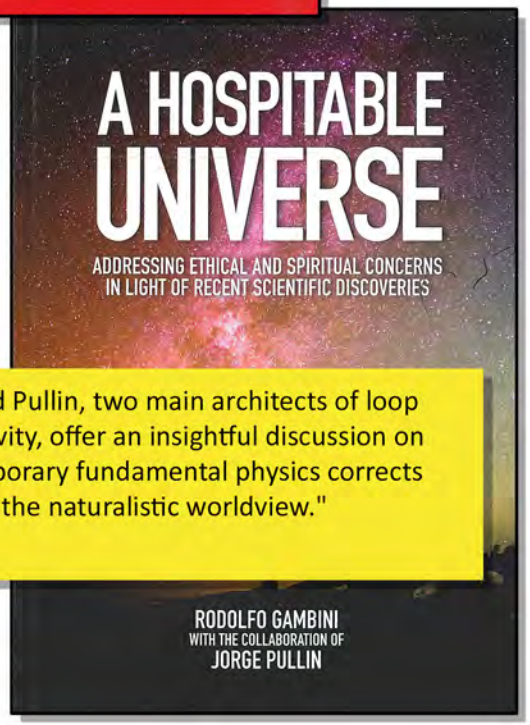


A new text which covers the most recent advances in hadron therapy, exploring the physics, technology, biology, diagnosis, clinical applications, and economics behind the therapy.



"An excellent and much needed book that challenges the reader to think broadly about a range of issues surrounding the climate change debate. The author has a unique range of expertise and experiences to tackle such broad topics."

Judith Curry, Georgia Institute of Technology



"Gambini and Pullin, two main architects of loop quantum gravity, offer an insightful discussion on how contemporary fundamental physics corrects and enriches the naturalistic worldview."

Carlo Rovelli

A Synopsis of the Astronomy of Stars.

OUT OF THE SHADOW OF A GIANT

Hooke, Halley & the Birth of Science

By John Gribbin & Mary Gribbin

LONDON.

What if Newton had never lived? A compelling dual biography argues that Robert Hooke and Edmond Halley easily could have filled the giant's shoes—and deserve credit for the birth of modern science.

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