New in the Library

July/August 2021

The Abdus Salam International Centre for Theoretical Physics

2021

The Science of Can and Can't
Chiara Marletto

"A book worth delving into. Replete with stories from classical Greek mythology and examples of ideas drawn from biology and physics."
Wall Street Journal

2020

Origin and Evolution of the Universe
eds. Matthew A. Malkan & Ben Zuckermann

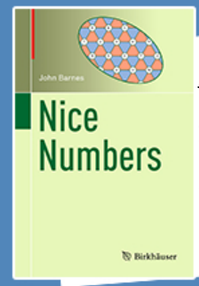
"An exhilarating tour of the Universe from true experts. For those who thirst to know how we know what we know about our place in the Universe, reading this book will be a richly rewarding experience."
Adam G. Riess, Nobel Laureate in Physics

2020

The Mysterious Affair at Olivetti
Meryle Secrest

The never-before-told true account of the design and development of the first desktop computer by the world's most famous high-styled typewriter company, more than a decade before the arrival of the the Apple 1 and the first Intel microprocessor.

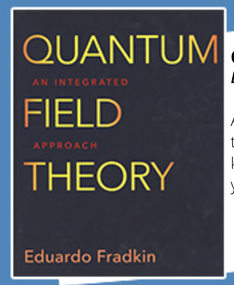
2016



Nice Numbers
John Barnes

An intriguing journey through a variety of amusing and fascinating topics regarding numbers and their uses both ancient and modern ... prime numbers and cryptography, Pascal's triangle, the Rubik cube, Mersenne's curious keyboards, and many others.

2021



Quantum Field Theory
Eduardo Fradkin

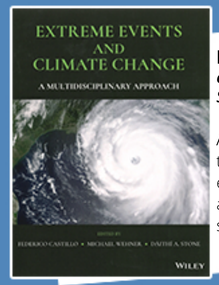
A new and fresh perspective on quantum field theory that combines mathematical accuracy with keen physical intuition and a style that is precise yet friendly and easy to read.

2015

The Age of Sustainable Development
Jeffrey D. Sachs

A comprehensive summary of complex issues, made understandable and accessible. It might help close the gap between science and politics, and give solid solutions.

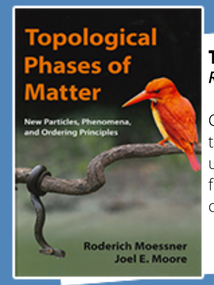
2021



Extreme Events and Climate Change
eds. Federico Castillo, Michael Wehner, Dáithí Stone

An authoritative focus on multidisciplinary methods to estimate the impacts of climate-related extreme events to society through a clear and cohesive analysis that integrates both climatological and socioeconomic impacts.

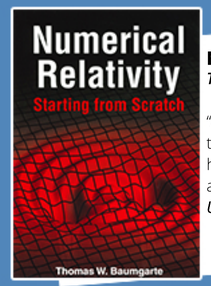
2021



Topological Phases of Matter
Roderich Moessner & Joel E. Moore

Get access to the phenomena surrounding topological matter, with detailed expositions of the underlying theoretical tools and conceptual framework through this approachable and comprehensive introductory textbook.

2021



Numerical Relativity
Thomas W. Baumgarte & Stuart L. Shapiro

"An excellent book explaining the general relativistic two-body problem and its numerical treatment in a highly pedagogical manner to a broad scientific audience."
Ulrich Sperhake, University of Cambridge

2021

The New Climate War
Michael E. Mann

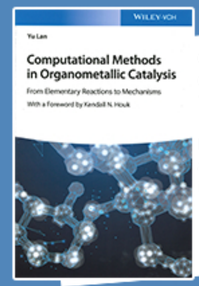
"A must read not just for people currently working to address climate change but also for those who are new to the climate fight, the latter of whom will learn much about past challenges and attacks that have been aimed at climate champions."
Science

2021

Counterexamples in Measure and Integration
René L. Schilling & Franziska Kühn

More than 300 counterexamples - some surprising and amusing - show the limitations, hidden traps and pitfalls of measure and integration.

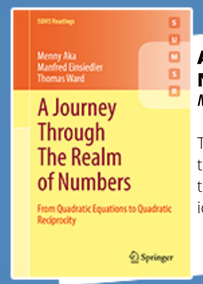
2021



Computational Methods in Organometallic Catalysis
Yu Lan

Discover many of the experimental and theoretical advances in organometallic catalysis, and those made in the mechanistic study of this topic.

2020



A Journey Through the Realm of Numbers
M. Aka, M. Einsiedler, T. Ward

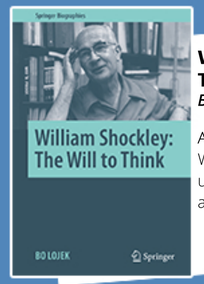
Take a journey from familiar high school mathematics to undergraduate algebra and number theory. Along this journey, you will get acquainted with important ideas, and will learn how mathematics is really done.

2020

Seismic Inversion Methods
S. P. Maurya, N. P. Singh, K. H. Singh

A valuable tool **for students and young professionals**, especially those affiliated with oil companies which gives a picture of seismic inversion methods and their application to both synthetic and real seismic data sets.

2021



William Shockley
The Will to Think
Bo Lojek

A fresh look at the work and life of Nobel Prize winner William B. Shockley. The story of a man beset by an unrelenting rationality, slandered by the popular media, and ultimately alienated by his peers.

2020

Science and Cooking
Michael Brenner, Pia Sörensen, David Weitz

"Where physics meets food, from homemade to haute cuisine". Change the way you approach both subjects, in your kitchen and beyond.

Previous Issues: https://library.ictp.it/services/new-in-the-library-archive.aspx