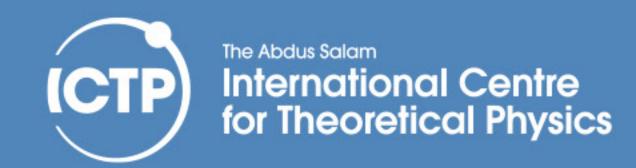
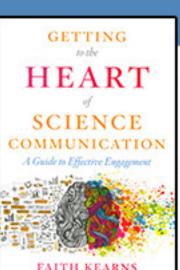
New in the Library

September/October 2021





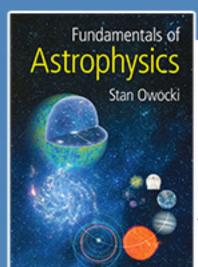


DEEP LEARNING

Getting to the Heart of Science Communication

Faith Kearns

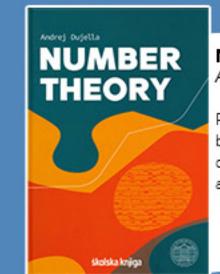
How a scientist presents his or her research can drastically affect how people outside of academia think or feel about a given topic. The book offers a view from the front lines of science communication." Science Magazine



Fundamentals of Astrophysics

"A thorough quantitative survey of all the important topics in stellar, galactic, and extragalactic astrophysics. An attractive technical elective in this fascinating field."

lim Napolitano, Temple University



Number Theory Andrej Dujella

Primarily intended for undergraduate students, this book provides a deep and comprehensive insight into diophantine equations and diophantine approximations with applications.



5G New Radio Fundamentals, procedures,

2019

5G New Radio

Meik Kottkamp et al.

Explore all relevant details of the new technology and discover key implementation aspects by describing not only "how" the technology was specified, but also "why"!



2019

2021

2017

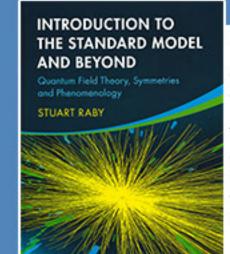
2021

2021

Deep Learning in Science Pierre Baldi

"A unique perspective and an easy-to-follow guide for navigating the ins and outs of the deep learning

Michal Rosen-Zvi, Hebrew University of Jerusalem



Introduction to the Standard Model and Beyond

2021

2021

2020

Stuart Raby

Through a pedagogical treatment, anchored on quantum field theory and symmetry principles, this book offers a broad and deep exploration of one of the most successful theories of fundamental nteractions and its possible extensions.



Championing Science

Roger D. Aines & Amy L. Aines

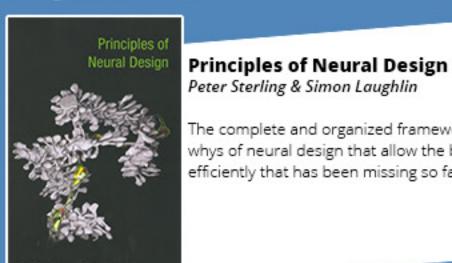
This comprehensive guide provides real-world strategies to help scientists develop the essential communication, influence, and relationship-building skills needed to motivate nonexperts to understand and support their science.



2021

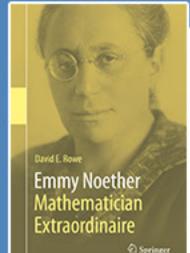
History and Theory of Superconductors Rudolph P. Huebener

A vivid description of how this area has developed in many directions since the discovery of superconductivity more than 100 years ago.



Peter Sterling & Simon Laughlin

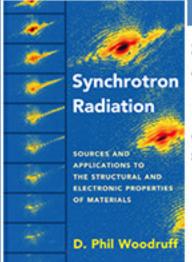
The complete and organized framework to explain the whys of neural design that allow the brain to compute so efficiently that has been missing so far.



Emmy Noether, Mathematician Extraordinaire

David E. Rowe

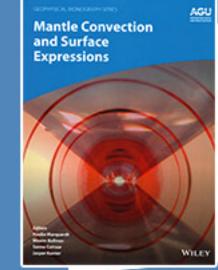
An authoritative scientific biography that represents the most comprehensive study of this singularly important mathematician to date. It provides an overall interpretation of Noether's intellectual development.



Synchrotron Radiation

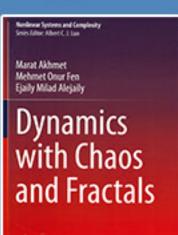
D. Phil Woodruff

Learn about the properties of synchrotron radiation and its wide range of applications in physics, materials science and chemistry with this invaluable reference.



Mantle Convection and Surface Expressions

A multidisciplinary view on the dynamic processes occurring in Earth's mantle which brings together perspectives from observational geophysics, numerical modelling, geochemistry, and mineral physics to build a holistic picture of the deep Earth.



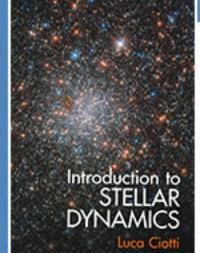
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2017

Dynamics with Chaos and Fractals M. Akhmet, M. Onur Fer, E. Milad Alejaily

The first book presenting theoretical background on the unpredictable point and mapping of fractals. Examines unpredictability in ocean dynamics and

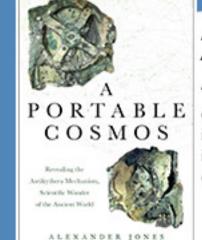
neural networks, chaos in hybrid systems on a time scale, and homoclinic and heteroclinic motions in economic models.



Introduction to Stellar Dynamics

Luca Ciotti

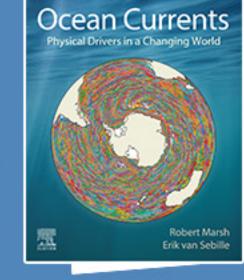
The study of stellar dynamics is experiencing an exciting new wave of interest. This volume provides a broad overview of the key concepts beyond the elementary level, bridging the gap between the standard texts and specialist literature.



A Portable Cosmos

Alexander Jones

"A triumph at several levels, as an account of high-grade detective work, as an exposition of ancient astronomical ideas, and as a disquisition on where those ideas fitted into the society that produced them." Geoffrey Lloyd, Journal for the History of Astronomy



Ocean Currents Robert Marsh & Erik van Sebille

Highlighting the pathways and drift associated with ocean currents around the World Ocean, this book displays how they shape marine ecosystems, helping researchers understand the distribution and adaptation of life in the oceans.

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

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edited by H. Marguardt et al.