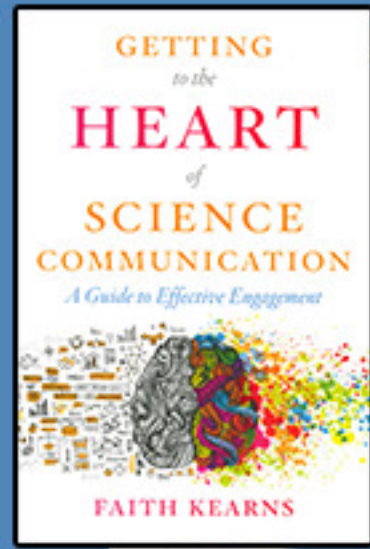


New in the Library

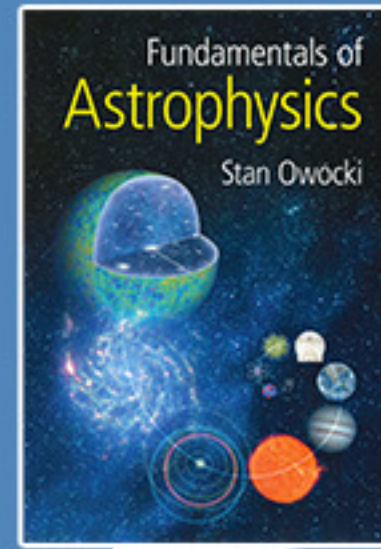
September/October 2021



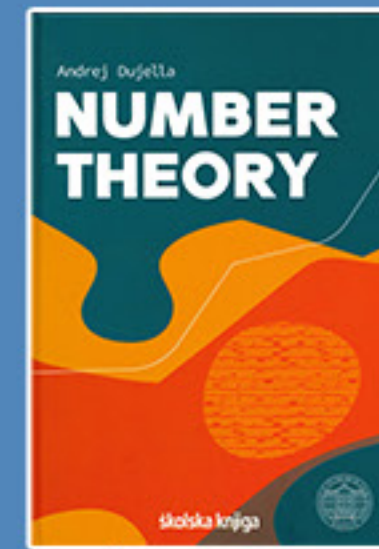
The Abdus Salam
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for Theoretical Physics



2021
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



2021
Fundamentals of Astrophysics
Stan Owocki
"A thorough quantitative survey of all the important topics in stellar, galactic, and extragalactic astrophysics. An attractive technical elective in this fascinating field."
Jim Napolitano, Temple University



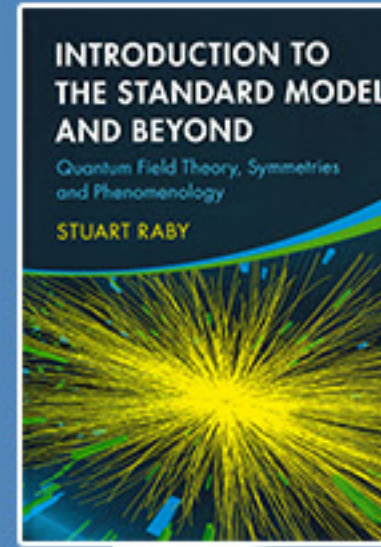
2021
Number Theory
Andrej Dujella
Primarily intended for undergraduate students, this book provides a deep and comprehensive insight into diophantine equations and diophantine approximations with applications.



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!"



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 landscape."
Michal Rosen-Zvi, Hebrew University of Jerusalem



2021
Introduction to the Standard Model and Beyond
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 interactions and its possible extensions.



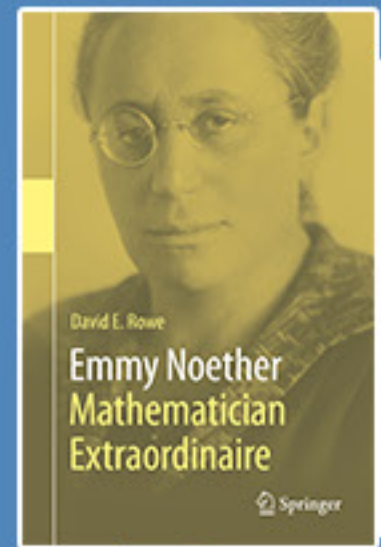
2019
Championing Science
Roger D. Aines & Amy L. Aines
This comprehensive guide provides real-world strategies to help scientists develop the essential communication, influence, and relationship-building skills needed to motivate nonexperts to understand and support their science.



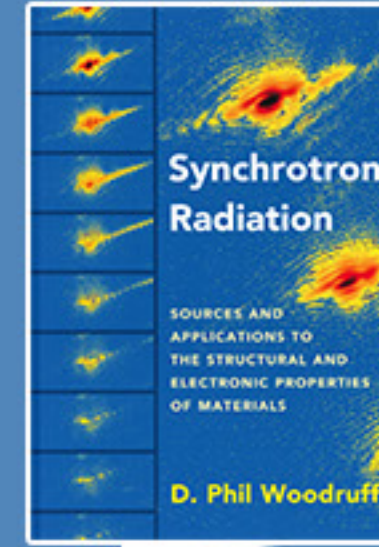
2021
History and Theory of Superconductors
Rudolph P. Huebener
A vivid description of how this area has developed in many directions since the discovery of superconductivity more than 100 years ago.



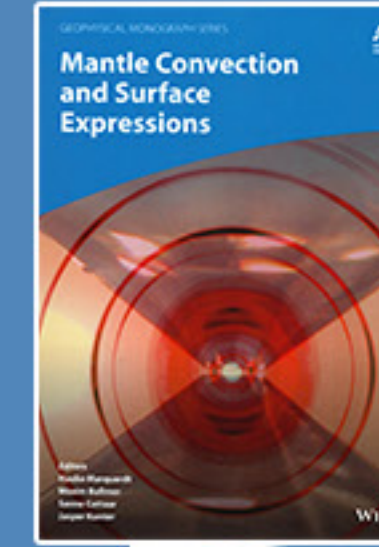
2017
Principles of Neural Design
Peter Sterling & Simon Laughlin
The complete and organized framework to explain the whys of neural design that allow the brain to compute so efficiently that has been missing so far.



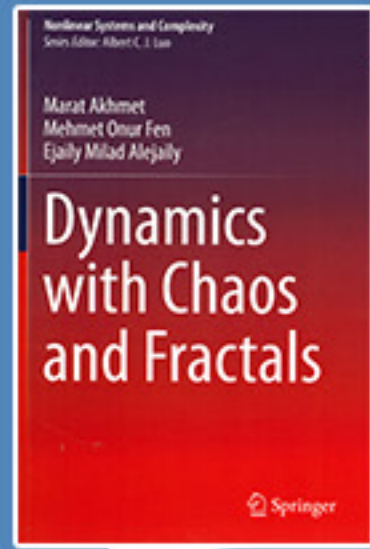
2021
Emmy Noether, Mathematician Extraordinaire
David E. Rowe
An authoritative scientific biography that represents the most comprehensive study of this singularly important mathematician to date. It provides an overall interpretation of Noether's intellectual development.



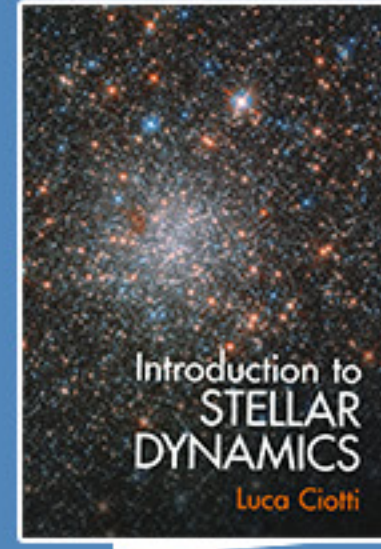
2021
Synchrotron Radiation
D. Phil Woodruff
Learn about the properties of synchrotron radiation and its wide range of applications in physics, materials science and chemistry with this invaluable reference.



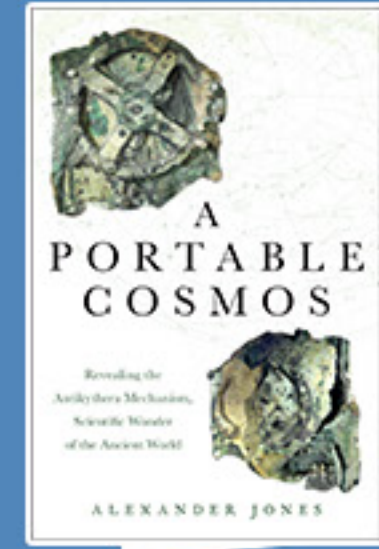
2021
Mantle Convection and Surface Expressions
edited by H. Marquardt et al.
A multidisciplinary view on the dynamic processes occurring in Earth's mantle which brings together perspectives from observational geophysics, numerical modelling, geochemistry, and mineral physics to build a holistic picture of the deep Earth.



2021
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.



2020
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.



2017
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



2021
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.