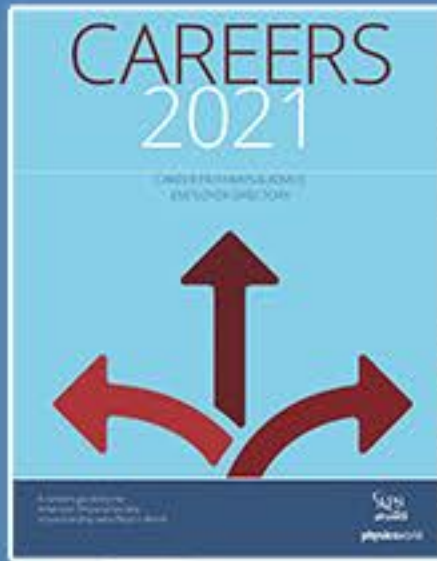


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Want to understand the career opportunities available to you with a physics degree? This guide shows you the breadth of opportunities in industry, national labs, and beyond, and it gives you the guidance you need to land one of those jobs.



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Quantum Computing for the Quantum Curious
Ciaran Hughes et al.

This classroom-tested textbook uses simple language, minimal math, and plenty of examples to explain the key principles behind quantum computers, making quantum computing more accessible.



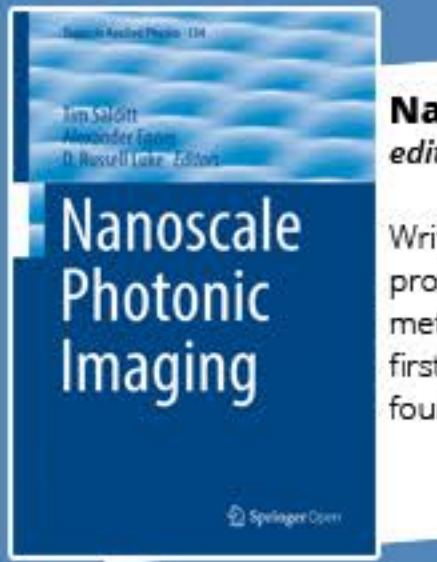
2021
The Science of Citizen Science
editors: Katrin Vohland et al.

A discussion on how the involvement of citizens into scientific endeavors is expected to contribute to solve the big challenges of our time, such as climate change and the loss of biodiversity, growing inequalities within and between societies, and the sustainability turn.



2021
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editors: Hans Peter Beck, Panagiotis Charitos

Drawing inspiration from the dialogue and interaction between representatives of Big Science organizations, policy makers and academia, this guide identifies the key ingredients for success in capitalizing on public investments in scientific projects and the development of large-scale research infrastructures.



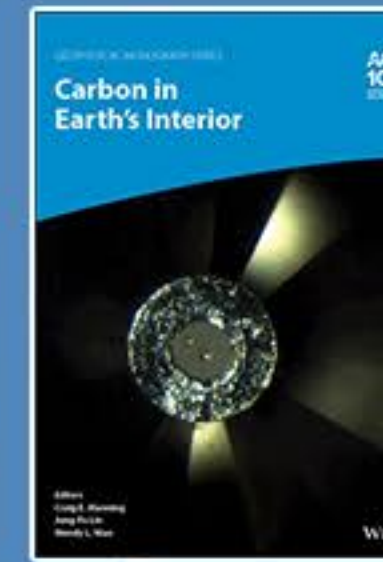
2020
Nanoscale Photonic Imaging
editors: Tim Salditt, Alexander Egner, Russell Luke

Written by a team of world-leading researchers, it provides a broad overview of advanced photonic methods for nanoscale visualization, from physical first principles, to instrumentation, to mathematical foundations of imaging and data analysis.



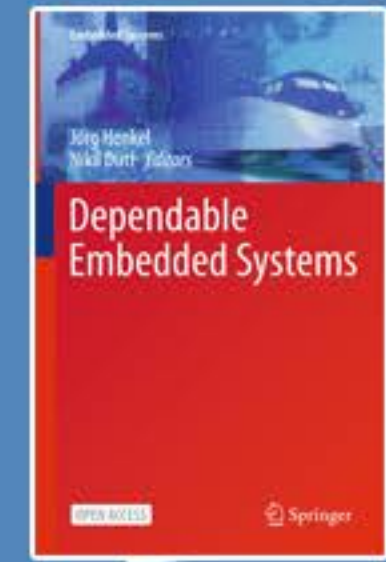
2017
Linear Algebra
Arak M. Mathai & Hans J. Haubold

Self-contained and easy to digest also by non-mathematicians, it introduces concepts of vector spaces and mappings between them. Useful as a basis for courses on space and atmospheric science, remote sensing, geographic information systems, meteorology, climate and satellite communications.



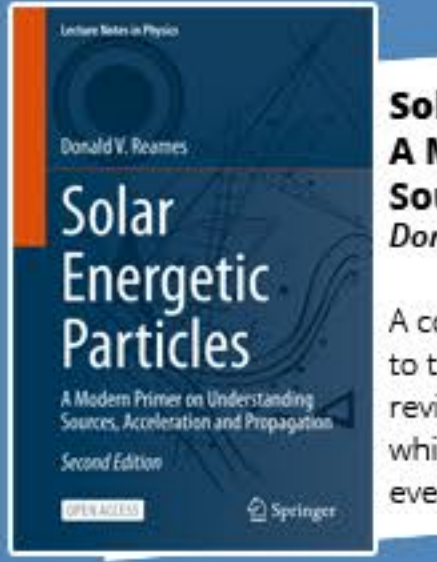
2021
Carbon in Earth's Interior
editors: Craig E. Manning, Jung-Fun Lin & Wendy L. Mao

A reference point for future carbon science research, it presents recent research on the physical and chemical behavior of carbon-bearing materials.



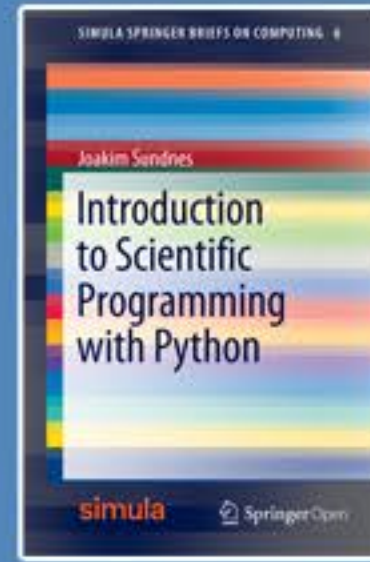
2021
Dependable Embedded Systems
editors: Jörg Henkel, Nikil Dutt

Useful as a guide to many new techniques for enhancing and optimizing reliability in embedded systems, emerged particularly within the last five years, it introduces the most prominent reliability concerns from today's points of view and traces the progress made so far.



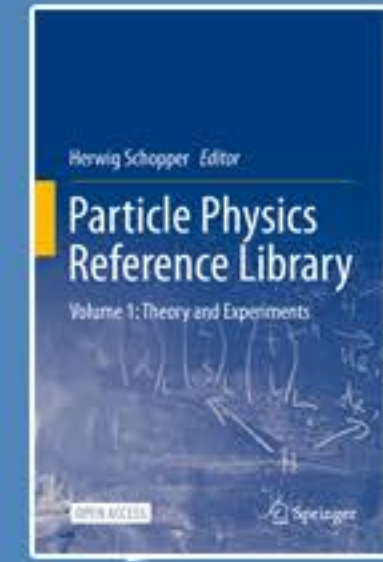
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Solar Energetic Particles
A Modern Primer on Understanding Sources, Acceleration, & Propagation
Donald V. Reames

A concise primer introducing the non-specialist reader to the physics of solar energetic particles (SEP). It reviews the evidence for the two main mechanisms which lead to the so-called impulsive and gradual SEP events.



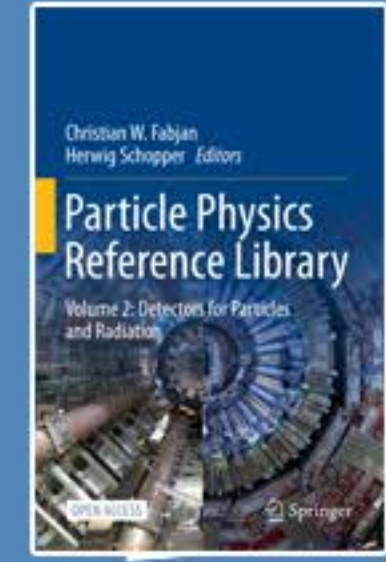
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Introduction to Scientific Programming with Python
Joakim Sundnes

Want to write your own programs for data processing and mathematical modeling? Through relevant examples from mathematics and the natural sciences, the book offers an introduction to programming for scientific and computational applications using Python.



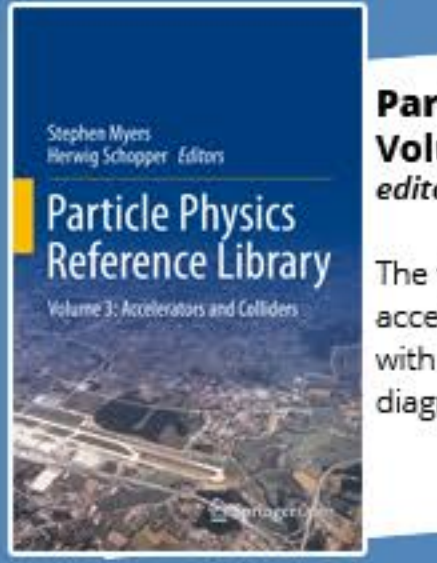
2020
Particle Physics Reference Library
Volume 1, Theory And Experiments
editor: Herwig Schopper

The first volume of this fully open access series offers a new perspective on the standard model of particle physics, both theoretically and experimentally.



2020
Particle Physics Reference Library
Volume 2, Detectors for Particles & Radiation
editors: Christian W. Fabjan, Herwig Schopper

This second volume of the handbook series explores detectors, large experimental facilities and data handling, both for accelerator and non-accelerator based experiments, adding interesting applications in medicine and life sciences.



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Particle Physics Reference Library
Volume 3, Accelerators & Colliders
editors: Stephen Myers, Herwig Schopper

The third volume of the handbook series examines accelerator physics, design, technology and operations, with a glance to beam optics, dynamics and diagnostics.



2018
Computational Mathematics with SageMath
Paul Zimmermann et al.

Supported by all modern operating systems, Sage is an open-source mathematical software system based on Python. A wonderful scientific and graphical calculator to support either undergraduate and graduate students.



2020
Reassembling Scholarly Communications
Histories, Infrastructures, and Global Politics of Open Access
editors: Martin Paul Eve, Jonathan Gray

A critical inquiry into the politics, practices, and infrastructures of OA and the reconfiguration of scholarly communication in digital societies, through case studies and perspectives of knowledge frameworks & global communities.



2021
World Development Report 2021
Data for Better Lives
World Bank Group

The report explores the tremendous potential of the changing data landscape to improve the lives of poor people, while also acknowledging its potential to open back doors that can harm individuals, businesses, and societies.