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[Fundamentals of Physics](#) IGI Global

Originally published in 1987 this third edition won praise from students and instructors alike for its challenging "no nonsense" approach to the field. Thoroughly updated to reflect current research of the time, the text retains the qualities that had become its hallmarks: a cognitive approach to the process of socialization, and an emphasis on the ideas that give the discipline continuity. It offers clear, conceptually integrated discussions of all of the major topics in social psychology from the time. Shaver's focus on the concepts of social psychology provides a framework for students to develop their own applications. The principles of social behavior are presented in the text in the same way they develop in the individual moving from internal processes (social perception, self-recognition) to external issues (the environment, the law) that influence behavior. Shaver weaves contemporary issues into his treatment of basic theories, using examples from everyday situations. His supple writing engages students in the complexity of social behavior, and is one reason this title remained one of the most highly regarded texts in the field at the time.

Nuclear Science Abstracts Penguin

"An exceptional work that will stand for years as the best study of the African colonization movement. Burin's insights into this often misunderstood idea will be appreciated by all historians of the early national era. The research, both archival and secondary, is excellent."--Douglas Egerton, Le Moyne College "Burin adds significantly to our understanding of the world view of slaveholding colonizationists, of their negotiations with prospectively freed people, and of their struggle with proslavery critics of colonization. . . . Historians of proslavery thought will find new ideas and information here."--Torrey Stephen Whitman, Mount St. Mary ' s College From the early 1700s through the late 1800s, many whites advocated removing blacks from America. The American Colonization Society (ACS) epitomized this desire to deport black people. Founded in 1816, the ACS championed the repatriation of black Americans to Liberia in West Africa. Supported by James Madison, James Monroe, Henry Clay, and other notables, the ACS sent thousands of black emigrants to Liberia. In examining the ACS ' s activities in America and Africa, Eric Burin assesses the organization ' s impact on slavery and race relations. Burin focuses on ACS manumissions—that is, instances wherein slaves were freed on the condition that they go to Liberia. In doing so, he provides the first account of the ACS that covers the entire South throughout the antebellum era. He investigates everyone involved in the society ' s affairs, from the emancipators and freedpersons at the center to the colonization agents, free blacks, southern jurists, newspaper editors, neighboring whites, proslavery ideologues, northern colonizationists, and abolitionists on the periphery. In mixing a panoramic view of ACS operations with close-ups on individual participants, Burin presents a unique, bifocal perspective on the ACS. Although colonization leaders initially envisioned their program as a pacific enterprise, in reality the push-and-pull among emancipators, freedpersons, and others rendered ACS manumissions logistically complex, financially troublesome, legally complicated, and at times socially disruptive enterprises. Like pebbles dropped in water, ACS manumissions rippled outward, destabilizing slavery in their wake. Based on extensive archival research and a database of 11,000 ACS emigrants, Burin ' s study offers new insights concerning the origins, intentions, activities, and fate of the colonization movement.

[Lectures on General Relativity](#) Cambridge University Press

The world is undergoing unprecedented changes in many of the factors that determine its fundamental properties and their in- ence on society. These changes include climate; the chemical c- position of the atmosphere; the demands of a growing human population for food and ?ber; and the mobility of organisms, ind- trial products, cultural perspectives, and information ?ows. The magnitude and widespread nature of these changes pose serious challenges in managing the ecosystem services on which society depends. Moreover, many of these changes are strongly in?uenced by human activities, so future patterns of change will continue to be in?uenced by society's choices and governance. The purpose of this book is to provide a new framework for n- ural resource management—a framework based on stewardship of ecosystems for human well-being in a world dominated by unc- tainty and change. The goal of ecosystem stewardship is to respond to and shape change in social-ecological systems in order to s- tain the supply and opportunities for use of ecosystem services by society. The book links recent advances in the theory of resilience, sustainability, and vulnerability with practical issues of ecosystem management and governance. The book is aimed at advanced undergraduates and beginning graduate students of natural resource management as well as professional managers, community leaders, and policy makers with backgrounds in a wide array of d- ciplines, including ecology, policy studies, economics, sociology, and anthropology.

Service Learning as Pedagogy in Early Childhood Education Springer Science & Business Media

From fundamentals and design patterns to the latest techniques such as generative AI, machine learning and cloud native architecture,

gain all you need to be a pro Solutions Architect crafting secure and reliable AWS architecture. Key Features Hits all the key areas -Rajesh Sheth, VP, Elastic Block Store, AWS Offers the knowledge you need to succeed in the evolving landscape of tech architecture - Luis Lopez Soria, Senior Specialist Solutions Architect, Google A valuable resource for enterprise strategists looking to build resilient applications - Cher Simon, Principal Solutions Architect, AWS Book DescriptionBuild a strong foundation in solution architecture and excel in your career with the Solutions Architect ' s Handbook. Authored by seasoned AWS technology leaders Saurabh Shrivastav and Neelanjali Srivastav, this book goes beyond traditional certification guides, offering in-depth insights and advanced techniques to meet the specific needs and challenges of solutions architects today. This edition introduces exciting new features that keep you at the forefront of this evolving field. From large language models and generative AI to deep learning innovations, these cutting-edge advancements are shaping the future of technology. Key topics such as cloud-native architecture, data engineering architecture, cloud optimization, mainframe modernization, and building cost-efficient, secure architectures remain essential today. This book covers both emerging and foundational technologies, guiding you through solution architecture design with key principles and providing the knowledge you need to succeed as a Solutions Architect. It also sharpens your soft skills, providing career-accelerating techniques to stay ahead. By the end of this book, you will be able to harness cutting-edge technologies, apply practical insights from real-world scenarios, and enhance your solution architecture skills with the Solutions Architect's Handbook.What you will learn Explore various roles of a solutions architect in the enterprise Apply design principles for high-performance, cost-effective solutions Choose the best strategies to secure your architectures and boost availability Develop a DevOps and CloudOps mindset for collaboration, operational efficiency, and streamlined production Apply machine learning, data engineering, LLMs, and generative AI for improved security and performance Modernize legacy systems into cloud-native architectures with proven real-world strategies Master key solutions architect soft skills Who this book is for This book is for software developers, system engineers, DevOps engineers, architects, and team leaders who already work in the IT industry and aspire to become solutions architect professionals. Solutions architects who want to expand their skillset or get a better understanding of new technologies will also learn valuable new skills. To get started, you'll need a good understanding of the real-world software development process and some awareness of cloud technology.

Designing Climate Solutions SAGE

The aim of Stability of Finite and Infinite Dimensional Systems is to provide new tools for specialists in control system theory, stability theory of ordinary and partial differential equations, and differential-delay equations. Stability of Finite and Infinite Dimensional Systems is the first book that gives a systematic exposition of the approach to stability analysis which is based on estimates for matrix-valued and operator-valued functions, allowing us to investigate various classes of finite and infinite dimensional systems from the unified viewpoint. This book contains solutions to the problems connected with the Aizerman and generalized Aizerman conjectures and presents fundamental results by A. Yu. Levin for the stability of nonautonomous systems having variable real characteristic roots. Stability of Finite and Infinite Dimensional Systems is intended not only for specialists in stability theory, but for anyone interested in various applications who has had at least a first-year graduate-level course in analysis.

The Organized Bar: Self-serving Or Serving the Public? Simon and Schuster

Featuring new techniques of physicochemical analysis and broader coverage of textile applications,the thoroughly rewritten and enlarged Second Edition provides hands-on assistance inthe use, formulation, synthesis, processing, and handling of epoxy resins.Epoxy Resins, Second Edition, Revised and Expanded documents available commercialproducts, including rarer species of epoxides ... shows how to achieve qualityassurance through analytical methods ... discusses toxicity, hazards, and safe handling ...looks closely at elastomer modification of resins as well as adhesives, coatings, electrical andelectronic applications, fiber-reinforced composites, and the use of epoxy resins in thestabilization of polymers, plasticizers, and textiles ... and assists in the more efficientselection and application of epoxy resins.Complete with nearly 300 pages of tables for quick references, plus over 300 diagrams andphotographs, and more than 4,400 bibliographic references, this volume will proveindispensable to polymer, physical, and organic chemists, rheologists, materials scientists andengineers, and chemical, plastics, aerospace, automotive, and electrical and electronicsengineers.

Why We Sleep Island Press

Bank Recovery and Resolution Second Edition Sven Schelo Since 2008, enormous efforts have been made worldwide to draft rules to prevent a reoccurrence of the devastating financial events of that year. In the process, bank business has been laid open to intense public and government scrutiny, and regulation of banking has grown to spectacular proportions. Prominent among the measures taken is the EU Bank Recovery and Resolution Directive (BRRD), which, together with the Single Resolution Mechanism (SRM) and the Single Resolution Fund, constitutes a crucial new pillar in the European Banking Union. Practitioners searching for orientation in what can readily be perceived as a 'jungle' have an urgent need for a clear and systematic description and analysis of these new rules, which are sure to have a massive impact on bank business from this time on, not only in Europe but also wherever European business is to be found. The solidly grounded analysis in this important book sets the new rules under BRRD into their full context as cross-border phenomena. With its crystal-clear explanation of key provisions, procedures, and 'triggers', the book organises a highly complex legal system into patterns and action plans that can be applied in virtually any eventuality likely to arise in cases where bank business is of central significance. Among the topics covered are the following: – entities covered by BRRD; – exceptions under BRRD; – objective and scope of BRRD tools – bail-in, bridge bank, sale of business, asset separation; – asset quality reviews; – curing or mitigating the continuing problem of non-performing loans; – new rules as response to lack of private solutions; – banks' requirement to provide a minimum amount of eligible liabilities; – safety buffers to protect resolution; – need to be 'resolvable' in a worst case; – leverage and liquidity ratios; – forced mergers; – market spillover effects of recovery

planning; – group recovery planning; – effects of foreign law contracts and assets; – write-down of capital instruments; and – special problems of cross-border restructuring. The presentation is enhanced by a comparative dimension, which includes reference to United States and other national developments and a full-scale analysis of Switzerland’s regulatory response to the crisis. Given that a full seamless global system of bank recovery and resolution has not yet been found, and that major banks are global players headquartered in different jurisdictions and even different continents, this book will greatly assist in the work of practitioners who must deal with cases involving international banking under the prevailing status quo. Its usefulness to officials and academics in international banking and finance law and policy, who are working towards a global solution, is of incalculable value.

Bank Recovery and Resolution Springer Science & Business Media

"This reference explores some of the most recent developments in sustainability, delving into topics beyond environmental science to cover issues of sustainable economic, political, and social development"--Provided by publisher.

Epoxy Resins CRC Press

This book presents the most recent theory, research, and practice on service learning as it relates to early childhood education. It describes several service learning programs, many of which were developed to better prepare pre-service teachers for the challenges they face in today’s early childhood classrooms, including class size, ever-changing technology, diversity, high-stakes testing, parental involvement (or the lack thereof), and shrinking budgets. The book shares stories of positive outcomes from pre-service teachers who, having participated in service-learning programs, report a shift in their attitudes and beliefs including an increased empathy for others, a heightened sensitivity to student differences, more democratic values, and a greater commitment to teaching. In addition, the book examines the effects of service learning and positive outcomes for children and teacher educators as well. Schools today face an increasing number of language learners, the mainstreaming of special population students, and working with a standards-driven curriculum. All of these present new challenges for teachers as they attempt to meet their students’ educational needs. As a result of this new classroom environment, and the educational needs they present, teacher educators must now seek different approaches to prepare prospective teachers to meet these needs because the traditional approaches to teacher preparation, such as coursework independent of fieldwork, are no longer effective in equipping teachers to address these issues. This book examines in detail the new approach of service learning.

The History of Mathematics John Wiley & Sons

Psychology Library Editions: Social Psychology (30-volume set) brings together an eclectic mix of titles from a wealth of authors with diverse backgrounds, seeking to understand human behaviour and interaction from a socio-psychological perspective. The series of previously out-of-print titles, originally published between 1908 and 1993, includes those from some authors considered to be founders of social psychology and traces the development of the subject from its early foundations.

Routledge Library Editions: Urban Planning BoD - Books on Demand

This book provides students with a comprehensive understanding of the fundamental components of the negotiation process and the challenges that face negotiators. It contains, in a single volume, text material on current theory and research, readings from diverse perspectives, cases that demonstrate how negotiation has been effectively or ineffectively applied in practice, role-playing exercises that enable students to hone their skills, and questionnaires that assess personal qualities that can influence negotiation processes and outcomes.

A Forensic Guide For Crime Investigators EduGorilla Publication

EduGorilla Publication is a trusted name in the education sector, committed to empowering learners with high-quality study materials and resources. Specializing in competitive exams and academic support, EduGorilla provides comprehensive and well-structured content tailored to meet the needs of students across various streams and levels.

Principles of Ecosystem Stewardship John Wiley & Sons

The general theory of relativity and its applications to cosmology requires very deep understanding of mathematics and physics. Keeping this in mind, this self-contained textbook is written which addresses to general relativity and cosmology. In this book, the attempts have been made to explain mathematicians’ notions in the language of a physicist. Primarily intended for the postgraduate students of mathematics and physics, it gives equal importance to mathematical and physical aspects, and thus sharpens understanding of the theory. The text covers many modern concepts and current developments in gravity and cosmology including Brans-Dicke theory, higher-derivative gravity, Kaluza-Klein theory with extension to higher-dimensions. Besides PG students this book would also be useful for research scholars. KEY FEATURES ? Highlights special features of general relativity and cosmology. ? Discusses structure formation in the universe, inflationary models and dark energy models with special focus on basic concepts. ? Provides problems at the end of each chapter to stimulate thinking. ? Reveals interconnections between required mathematical concepts. ? Explains “how to apply mathematical concepts to physical problems”. ? Discusses lagrangian formulation of the field theory and action principle as it provides a powerful tool to derive field equations and energy-momentum tensor components.

Exact Solutions of Einstein's Field Equations EduGorilla Publication

The remaining chapters analyze various themes that figure prominently in the series.

Risk Modelling and Survival Analysis University Press of Florida

EduGorilla Publication is a trusted name in the education sector, committed to empowering learners with high-quality study materials and resources. Specializing in competitive exams and academic support, EduGorilla provides comprehensive and well-structured content tailored to meet the needs of students across various streams and levels.

Meditations on America Packt Publishing Ltd

This exciting and innovative Handbook provides readers with a comprehensive and globally relevant overview of the instruments, actors and design features of social protection systems, as well as their application and impacts in practice. It is the first book that centres around system building globally, a theme that has gained political importance yet has received relatively little attention in academia.

Solutions Architect's Handbook John Wiley & Sons

Sustainable Development in Practice: Case Studies for Engineers and Scientists, Second Edition explores the concept of sustainable development and its implications for science and engineering. It looks at how sustainability criteria can be combined with traditional scientific and engineering considerations to design and operate industrial systems in a more sustainable manner. Taking a life cycle approach to addressing economic, environmental and social issues, the book presents a series of new practical case studies drawn from a range of sectors, including mining, energy, food, buildings, transport, waste, and health. Written in an accessible style, the book opens with a general introduction to the concept of sustainable development and explores its practical implications for technical experts. Recognising that practical application of sustainable development depends on the context, the second part of the book is devoted to case studies. The case studies explore scientific and technical aspects alongside relevant environmental economic and social issues. The key features of this completely revised and updated second edition include: Twelve new chapters, including the case studies on nuclear energy, biofuels, aviation, buildings, urban transport, food, sanitation and health. Six completely revised chapters Coverage of a wide range of sustainability issues in both developed and developing countries Integration of scientific and technical aspects with economic, environmental and social

considerations Discussion of policy implications Communication with the non-engaging and non-scientific audience Considered essential reading for all engineers and scientists concerned with sustainable development, Sustainable Development in Practice: Case Studies for Engineers and Scientists, Second Edition also provides key reading and learning materials for undergraduate and postgraduate science and engineering students.

Principles of System Identification Springer

The compelling true story of Dr. Jonas Salk's quest to develop a vaccine for polio. In 1916, the United States was hit with one of the worst polio epidemics in history. The disease was a terrifying enigma: striking out of nowhere, it afflicted tens of thousands of children and left them—literally overnight—paralyzed. Others it simply killed. At the same time, a child named Jonas Salk was born.... When Franklin Delano Roosevelt was diagnosed with polio shortly before assuming the Presidency, Salk was given an impetus to study this deadly illness. After assisting in the creation of an influenza vaccine, Salk took up the challenge. His progress in combating the virus was hindered by the politics of medicine and by a rival researcher determined to discredit his proposed solution. But Salk's perseverance made history—and for close to seventy years his vaccine has saved countless lives, bringing humanity close to eradicating polio throughout the world. Splendid Solution chronicles Dr. Salk's race against time to achieve an unparalleled breakthrough that made him a cultural hero and icon of modern medicine.

The Strand Magazine Popular Press

"Sleep is one of the most important but least understood aspects of our life, wellness, and longevity ... An explosion of scientific discoveries in the last twenty years has shed new light on this fundamental aspect of our lives. Now ... neuroscientist and sleep expert Matthew Walker gives us a new understanding of the vital importance of sleep and dreaming"--Amazon.com.

Sustainable Development in Practice Routledge

A paperback edition of a classic text, this book gives a unique survey of the known solutions of Einstein's field equations for vacuum, Einstein-Maxwell, pure radiation and perfect fluid sources. It introduces the foundations of differential geometry and Riemannian geometry and the methods used to characterize, find or construct solutions. The solutions are then considered, ordered by their symmetry group, their algebraic structure (Petrov type) or other invariant properties such as special subspaces or tensor fields and embedding properties. Includes all the developments in the field since the first edition and contains six completely new chapters, covering topics including generation methods and their application, colliding waves, classification of metrics by invariants and treatments of homothetic motions. This book is an important resource for graduates and researchers in relativity, theoretical physics, astrophysics and mathematics. It can also be used as an introductory text on some mathematical aspects of general relativity.