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Offshore Pipelines Saint Philip Street Press

College Physics, Third Edition, is intended for a two-semester general algebra-based physics course. It targets students requiring an understanding of physics in the context of the biological sciences. This edition provides a standard approach to the study of physics, with a concentration of medical and biological examples that add relevance to the study of physics for students of the life sciences. Topics in the text are introduced conceptually, with progression to analytical applications. The text is made both current and relevant to students by showcasing examples that demonstrate real-world applications, including environmental (global warming, transportation, etc.) and humanitarian (water supply, energy use in developing countries) examples.

Contemporary Pedagogies in Teacher Education and Development
Houghton Mifflin Harcourt P

Emerging Trends in Oral Health Sciences and Dentistry is the second book on Oral Health Science. The first book is Oral Health Care-Pediatric, Research, Epidemiology and clinical Practices and Oral Health Care-Prosthodontics, Periodontology, Biology, Research and systemic Conditions published in February 2012. The present book is a reflection of the progress in Oral Health Sciences, practices and dentistry indicating the direction in which this stream of knowledge and education is likely to head forward. The book covers areas of General Dentistry, Paediatric and Preventive Dentistry, Geriatric and Prosthodontics, Orthodontics, Periodontology, Conservative Dentistry and Radiology and Oral Medicine.

Introduction to Physical Science 11th Ed + Success in College
Springer

The book "Progress in Carotenoid Research" presents an

authoritative and comprehensive overview of the biology, biochemistry, and chemistry of carotenoids. Divided into 14 discrete parts, this book covers topics on basic science and applied technology of carotenoid molecules. This book provides an insight into future developments in each field and has an extensive bibliography. It will be an essential resource for researchers and academic and industry professionals in the natural pigment field.

Powerful Ideas in Physical Science Springer Science & Business Media

When 16-year-old Lufano leaves Jozi to start a new life in Cape Town with her family, she is running from her past. She doesn't realise it's about to get even tougher. she is bullied at school for her dark skin and her Venda heritage, and her parents are not happy about her friendship with Mandla, a Xhosa chief's son. When a strike at the factory where her parents work turns violent, it seems as though her whole world is about to explode...

Study Guide McGraw-Hill Science, Engineering & Mathematics
Carbon nanotubes are rolled up graphene sheets with a quasi-one-dimensional structure of nanometer-scale diameter. In these last twenty years, carbon nanotubes have attracted much attention from physicists, chemists, material scientists, and electronic device engineers, because of their excellent structural, electronic, optical, chemical and mechanical properties. More recently, demand for innovative industrial applications of carbon nanotubes is increasing. This book covers recent research topics regarding syntheses techniques of carbon nanotubes and nanotube-based composites, and their applications. The chapters in this book will be helpful to many students, engineers and researchers working in the field of carbon nanotubes.

Schlieren and Shadowgraph Techniques Elsevier

Schlieren and shadowgraph techniques are basic and valuable tools in various scientific and engineering disciplines. They allow us to see the invisible: the optical inhomogeneities in transparent media like air, water, and glass that otherwise cause only ghostly distortions of our normal vision. These techniques are discussed briefly in many books and papers, but there is no up-to-date complete treatment of the subject before now. The book is intended as a practical guide for those who want to use these methods, as well as a resource for a broad range of disciplines where scientific visualization is important. The colorful 400-year history of these methods is covered in an extensive introductory chapter accessible to all readers.

Syntheses and Applications of Carbon Nanotubes and Their Composites BoD – Books on Demand

This book is open access under a CC BY 4.0 license. This book describes the history, structure and institutions of open and distance education in six countries: China, India, Russia, Turkey, South Africa and South Korea. It describes how open and distance education is evolving in a digital age to reflect the needs and circumstances of the national higher education systems in these countries. It also explores the similarities and differences between how their open and distance higher education systems are managed and structured. This book is the second in a series, following Open and Distance Education in Australia, Europe and the Americas (Springer 2018). Both books compare and draw conclusions about the nature of open and distance education in the context of various national higher education systems. In a digital era characterized by the growing use of online, open and distance education, this book will prove particularly valuable for policy-makers and senior administrators who want to learn about establishing or expanding open and distance education services. In addition, it offers a valuable reference guide for researchers, academics and students interested in understanding the different approaches to open and distance education. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

Contemporary College Physics BoD – Books on Demand

Supplemental Instruction is a program designed to support students

in their learning process. The program consists of advanced students supervising new students, where the purpose is to improve students' performance and reduce the risk of interruption of studies.

Supplemental Instruction was established almost 50 years ago and is used today in universities around the world. This book is about student learning processes and Supplemental Instruction, which includes everything from learning activities in SI to developing guidance skills of leaders and more. The book also deals with a comparison of Supplemental Instruction with other group-oriented learning activities, and practical aspects of the programme. The book is aimed at anyone who is concerned about study quality in higher education. The contributors are researchers and lecturers at various universities from several countries. The book is part of a trilogy on Supplemental Instruction, where the themes for the other books are "Digital Technologies" and "Organisation and Leadership". The editors of the trilogy are Abbas Strømme-Bakhtiar, Roger Helde and Elisabeth Suzen, all three Associate Professors at Nord University, Norway.

College Physics BoD – Books on Demand

Knowledge of veterinary anatomy and physiology is essential for veterinary professionals and researchers. The chapters reflect the diverse and dynamic research being undertaken in a variety of different species throughout the world. Whether the animals have roles in food security, agriculture, or as companion, wild, or working animals, the lessons we learn impact on many areas of the profession. This book highlights research ranging from the cardiovascular and musculoskeletal systems, prostate and hoof, through to histopathology, imaging, and molecular techniques. It investigates both healthy and pathological conditions at differing stages of life. The importance of each cell and tissue through to the whole organism is explored alongside the methodologies used to understand these vital structures and functions.

Neutron Methods for Archaeology and Cultural Heritage IGI Global

Public venues are vital to information access across the globe, yet few formal studies exist of the complex ways people in developing countries use information technologies in public access places. Libraries, Telecentres, Cybercafes and Public Access to ICT: International Comparisons presents groundbreaking research on the new challenges and opportunities faced by public libraries, community telecentres, and cybercafés that offer public access to computers and other information and communication technologies. Written in plain language, the book presents an in-depth analysis of the spaces that serve underserved populations, bridge "digital divides," and further social and economic development objectives, including

employability. With examples and experiences from around the world, this book sheds light on a surprising and understudied facet of the digital revolution at a time when effective digital inclusion strategies are needed more than ever.

Psychopathy BoD – Books on Demand

Offshore Pipelines covers the full scope of pipeline development from pipeline designing, installing, and testing to operating. It gathers the authors' experiences gained through years of designing, installing, testing, and operating submarine pipelines. The aim is to provide engineers and management personnel a guideline to achieve cost-effective management in their offshore and deepwater pipeline development and operations. The book is organized into three parts. Part I presents design practices used in developing submarine oil and gas pipelines and risers. Contents of this part include selection of pipe size, coating, and insulation. Part II provides guidelines for pipeline installations. It focuses on controlling bending stresses and pipe stability during laying pipelines. Part III deals with problems that occur during pipeline operations. Topics covered include pipeline testing and commissioning, flow assurance engineering, and pigging operations. This book is written primarily for new and experienced engineers and management personnel who work on oil and gas pipelines in offshore and deepwater. It can also be used as a reference for college students of undergraduate and graduate levels in Ocean Engineering, Mechanical Engineering, and Petroleum Engineering. * Pipeline design engineers will learn how to design low-cost pipelines allowing long-term operability and safety. * Pipeline operation engineers and management personnel will learn how to operate their pipeline systems in a cost effective manner. * Deepwater pipelining is a new technology developed in the past ten years and growing quickly.

College Physics Waxmann Verlag

This book provides an extensive overview of the application of neutron characterization techniques in cultural heritage to a broad audience and will be of interest to both scientists and non-scientists in the field. Archaeologists, paleontologists, restaurateurs and conservators, historians and collectors will be fascinated by the wealth of information that can be obtained using neutron techniques, while material scientists and engineers will find details of the experimental techniques and materials properties that can be determined. Neutrons, due to their weak interactions with materials, provide a penetrating, but non-invasive probe of bulk properties. They allow the characterization of the composition and mechanical properties of materials, helping to answer questions related to the dating, the manufacturing process or the state of degradation of artefacts. They allow detailed interrogation of the internal structures of objects that may be otherwise hidden from view.

The first section of the book is dedicated to stories describing spectacular discoveries brought about by the use of neutron techniques in a range of applications. The second section covers the experimental techniques in appropriate detail: basic principles, limitations and fields of application.

Physical Science BoD – Books on Demand

To prevent bacterial adherence, invasion and infection, antimicrobials such as antibiotics are being used and vastly researched nowadays. Several factors such as natural selection, mutations in genes, the presence of efflux pumps, impermeability of the cell wall, structural changes in enzymes and receptors, biofilm formation, and quorum sensing cause microorganisms to develop resistance against antimicrobials. Isolates that synthesize extended spectrum- β -lactamases (ESBL), induced β -lactamases (IBL), carbapenamases, metallo- β -lactamases (MBLs), and New Delhi metallo- β -lactamases (NDM) have emerged. Determining virulence factors such as biofilms and the level of antimicrobial activities of antimicrobial agents alone and in combination with appropriate doses against microorganisms is very important for the diagnosis, inhibition, and prevention of microbial infection. The goal of this book is to provide information on all these topics.

College Physics Pearson Prentice Hall

Lignin - Trends and Applications consists of 11 chapters related to the lignin structure, modification, depolymerization, degradation process, computational modeling, and applications. This is a useful book for readers from diverse areas, such as physics, chemistry, biology, materials science, and engineering. It is expected that this book may expand the reader's knowledge about this complex natural polymer.

Veterinary Anatomy and Physiology McGraw-Hill Europe

As with most dynamic activities that are based on social and cultural contexts and rely on interactions, education is a complex and often ambiguous endeavor. Despite this complexity, scholars and educators are often required to find ways of defining and explaining what "good" teaching is and to incorporate these conclusions into teacher education. This book contains eight scholarly articles from various countries around the world and offers unique and up-to-date perspectives on relevant practices and pedagogies for teachers' professional education and development. In this international book, it is argued that there is a significant inspiration and enrichment to be gained by investigating the policies and practices of teacher education systems from all over the world.

Introductory Physical Science BoD – Books on Demand

This book collects the contribution of a selected number of clinical psychiatrists interested in the clinical evaluation of

specific issues on psychopathy. The nine chapters of the book address some relevant issues related to nosography, early recognition and treatment, bio-psycho-social models (in particular cognitive-behavioral and ethological ones), and social and familial consequences of psychopathic personality.

Antimicrobials, Antibiotic Resistance, Antibiofilm Strategies and Activity Methods BoD – Books on Demand

Based on twenty case studies of universities worldwide, and on a survey administered to leaders in 101 universities, this open access book shows that, amidst the significant challenges caused by the COVID-19 pandemic, universities found ways to engage with schools to support them in sustaining educational opportunity. In doing so, they generated considerable innovation, which reinforced the integration of the research and outreach functions of the university. The evidence suggests that universities are indeed open systems, in interaction with their environment, able to discover changes that can influence them and to change in response to those changes. They are also able, in the success of their efforts to mitigate the educational impact of the pandemic, to create better futures, as the result of the innovations they can generate. This challenges the view of universities as "ivory towers" being isolated from the surrounding environment and detached from local problems. As they reached out to schools, universities not only generated clear and valuable innovations to sustain educational opportunity and to improve it, this process also contributed to transform internal university processes in ways that enhanced their own ability to deliver on the third mission of outreach

Glencoe Physical Science Springer Nature

"College textbook for intro to physics courses"--

College introductory physical science BoD – Books on Demand

A historical study of Chile's twin experiments with cybernetics and socialism, and what they tell us about the relationship of technology and politics. In *Cybernetic Revolutionaries*, Eden Medina tells the history of two intersecting utopian visions, one political and one technological. The first was Chile's experiment with peaceful socialist change under Salvador Allende; the second was the simultaneous attempt to build a computer system that would manage Chile's economy. Neither vision was fully realized—Allende's government ended with a violent military coup; the system, known as Project Cybersyn, was never

completely implemented—but they hold lessons for today about the relationship between technology and politics. Drawing on extensive archival material and interviews, Medina examines the cybernetic system envisioned by the Chilean government—which was to feature holistic system design, decentralized management, human-computer interaction, a national telex network, near real-time control of the growing industrial sector, and modeling the behavior of dynamic systems. She also describes, and documents with photographs, the network's Star Trek-like operations room, which featured swivel chairs with armrest control panels, a wall of screens displaying data, and flashing red lights to indicate economic emergencies. Studying project Cybersyn today helps us understand not only the technological ambitions of a government in the midst of political change but also the limitations of the Chilean revolution. This history further shows how human attempts to combine the political and the technological with the goal of creating a more just society can open new technological, intellectual, and political possibilities. Technologies, Medina writes, are historical texts; when we read them we are reading history.

Introductory College Physics