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Craig and Faust's Clinical Parasitology Springer Science & Business Media

International Series of Monographs in Nuclear Energy, Volume 107: Radioisotope Instruments, Part 1 focuses on the design and applications of instruments based on the radiation released by radioactive substances. The book first offers information on the physical basis of radioisotope instruments; technical and economic advantages of radioisotope instruments; and radiation hazard. The manuscript then discusses commercial radioisotope instruments, including radiation sources and detectors, computing and control units, and measuring heads. The text describes the applications of radioisotope instruments in the industries, including mining and quarrying; agriculture, forestry, and fishing; manufacturing industries; transport and communications; and civil engineering constructions. The manuscript also focuses on legislation and codes of practice on the use of sealed radioisotope sources and control of radiation hazard. The book is a dependable reference for readers interested in radioisotope instruments.

Primate School Packt Publishing Ltd

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Leadership for a Better World Woodhead Publishing

Spectral, Photon Counting Computed Tomography is a comprehensive cover of the latest developments in the most prevalent imaging modality (x-ray computed tomography (CT)) in its latest incarnation: Spectral, Dual-Energy, and Photon Counting CT. Disadvantages of the conventional single-energy technique used by CT technology are that different materials cannot be distinguished and that the noise is larger. To address these problems, a novel spectral CT concept has been proposed. Spectral Dual-Energy CT (DE-CT) acquires two sets of spectral data, and Spectral Photon Counting CT (PC-CT) detects energy of x-ray photons to reveal additional material information of objects by using novel energy-sensitive, photon-counting detectors. The K-edge imaging may be a gateway for functional or molecular CT. The book covers detectors and electronics, image reconstruction methods, image quality assessments, a simulation tool, nanoparticle contrast agents, and clinical applications for spectral CT.

All Things Fun and Fascinating Boom Koninklijke Uitgevers

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The Secret Corresponding Vocabulary Pergamon

"The Adventures of Unc' Billy Possum" by Thornton W. Burgess. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

Wetlands Environmental Assessment Guideline CRC Press

"The following guideline has been developed to identify for proponents of projects the types of information and analyses that Environment Canada would expect in the wetlands section of an Environmental Impact Statement (EIS). The guideline has been developed to be consistent with The Federal Policy on Wetland Conservation (Government of Canada 1991), referred to herein as the federal policy; the Implementation Guide for Federal Land Managers (Lynch-Stewart et al. 1996), called the implementation guide; and the Canadian Environmental Assessment Act referred to as CEAA"--Introduction.

Chemical Water and Wastewater Treatment VI William Andrew

This book combines the two methodologies of enterprise modeling and enterprise integration and advocates a systematic engineering approach called Enterprise Engineering, for modeling, analysing, designing and implementing integrated enterprise systems. Three main themes are explored in this book. The most significant enterprise modeling and integration architectures are presented. Enterprise modeling principles are then introduced and state-of-the-art methods to model various aspects of an enterprise system are discussed and compared. The final part is devoted to enterprise integration principles and techniques.

Practical Workflow for SAP CRC Press

In the half-century since the appearance of Hannah Arendt's seminal work *The Origins of Totalitarianism*, innumerable historians have detailed the history of the Nazi years. Now, in a brilliant synthesis of this work, Enzo Traverso situates the extermination camps as the final, terrible moment in European modernity's industrialization of killing and dehumanization of death. Traverso upends the conventional presentation of the Holocaust as an inexplicable anomaly, navigating an excess of antecedents both technical and cultural. Deftly tracing a complex lineage - the guillotine and machine gun, the prison and assembly line, as well as widespread ideologies of racial supremacy and colonial expansion - Traverso reveals that the ideas that coalesced at Auschwitz came from Europe's mainstream and not its margins.

The Origins of Nazi Violence Legare Street Press

The direct conversion of daylight into electricity by photovoltaic solar cells is one of the most promising of the renewable energy options. The importance of the technology is reflected in the growth in the field. What was largely technology for space programmes in 1976 produced 28.6 MW of terrestrial modules in 1987. The popularity of the technology can partly be explained by its versatility. Arrays of any size and voltage can be constructed from standard modules, with the conversion efficiency being practically independent from output. Photovoltaics are also well suited to on-site generation of power in remote areas. This book is intended primarily to give students, engineers and scientists entering the photovoltaics field an overview of all aspects of the subject, with pointers to further reading. However, by using simple language and avoiding jargon, an effort has been made to make the work useful and interesting to the general public.

Reinitiation of Formal Consultation John Wiley & Sons

Computed tomography (CT) is a widely used x-ray scanning technique. In its prominent use as a medical imaging device, CT serves as a workhorse in many clinical settings throughout the world. It provides answers to urgent diagnostic tasks such as oncology tumor staging, acute stroke analysis, or radiation therapy planning. Spectral Computed Tomography provides a concise, practical coverage of this important medical tool. The first chapter considers the main clinical motivations for spectral CT applications. In Chapter 2, the measurement properties of spectral CT systems are described. Chapter 3 provides an overview of the current state of research on spectral CT algorithms. Based on this overview, the technical realization of spectral CT systems is evaluated in Chapter 4. Device approaches such as DSCT, kV switching, and energy-resolving detectors are compared. Finally, Chapter 5 summarizes various algorithms for spectral CT reconstructions and spectral CT image postprocessing, and links these algorithms to clinical use cases

Mastering KVM Virtualization Canadian Wildlife Service

This is one of the most significant military books of the twentieth century. By an outstanding soldier of independent mind, it pushed forward the evolution of land warfare and was directly responsible for German armoured supremacy in the early years of the Second World War. Published in 1937, the result of 15 years of careful study since his days on the German General Staff in the First World War, Guderian's book argued, quite clearly, how vital the proper use of tanks and supporting armoured vehicles would be in the conduct of a future war. When that war came, just two years later, he proved it, leading his Panzers with distinction in the Polish, French and Russian campaigns. Panzer warfare had come of age, exactly as he had forecast. This first English translation of Heinz Guderian's classic book - used as a textbook by Panzer officers in the war - has an introduction and extensive background notes by the modern English historian Paul Harris.

The Federal Policy on Wetland Conservation Springer Science & Business Media

Poverty affects millions of people throughout the world. Today, 736 million people live in extreme poverty, surviving on less than 2 dollars a day. Fortunately, over the past 200 years, world poverty has been decreasing. This book explores the realities of those living in poverty, outlines the history of the issues, and examines the innovations designed to eliminate extreme poverty on a global level. Young readers will gain a greater understanding of this important issue and what they can do to help solve it.

The Fabric Rolls of York Minster Hassell Street Press

All Things Fun & Fascinating is the perfect tool to help teachers and parents of 3rd-5th graders teach writing with a clear, simple, step-by-step method using subjects that will fascinate young students. The lessons are meant to be a resource for teachers already familiar with Teaching Writing: Structure and Style.

Spectral Computed Tomography John Wiley & Sons

For the ninth Gothenburg Symposium time design and operation engineers as well as supervising and funding administrators in chemical water and waste water treatment, have come together to exchange ideas, experiences and personal views on issues of water and waste water management. While the main thrust of past symposia was in the description of the technological know-how of existing chemical unit-operations in water technology this ninth symposium focuses in addition on aspects of overall energy and mass flux analyses, the strive for more and more sustainable solutions (not only in technological turns) and public private partnership in all areas of water management. As the symposium in its effort to address also different geographical areas and therefore different water problems moved to Istanbul in Turkey a special effort was made in developing a platform for industrial water management.

UML 2 Toolkit The Rosen Publishing Group, Inc'

The organizer area plays a central role in the formation of the embryonic axis and the central nervous system of all vertebrates including the human fetus. In The Vertebrate Organizer outstanding molecular development biologists and embryologists report their latest approaches in this fascinating research area using different vertebrate model organisms. The presented data are of central importance for the understanding of early human embryogenesis.

Advances in Independent Component Analysis and Learning Machines William Andrew

Dive in to the cutting edge techniques of Linux KVM virtualization, and build the virtualization solutions your datacentre demands About This Book Become an expert in Linux virtualization Migrate your virtualized datacenter to the cloud Find out how to build a large scale virtualization solution that will transform your organization Who This Book Is For Linux administrators - if you want to build incredible, yet manageable virtualization solutions with KVM this is the book to get you there. It will help you apply what you already know to some tricky virtualization tasks. What You Will Learn Explore the ecosystem of tools that support Linux virtualization Find out why KVM offers you a smarter way to unlock the potential of virtualization Implement KVM virtualization using oVirt Explore the KVM architecture - so you can

manage, scale and optimize it with ease Migrate your virtualized datacenter to the cloud for truly resource-efficient computing Find out how microbes for organic farming

to integrate OpenStack with KVM to take full control of the cloud In Detail A robust datacenter is essential for any organization – but you don't want to waste resources. With KVM you can virtualize your datacenter, transforming a Linux operating system into a powerful hypervisor that allows you to manage multiple OS with minimal fuss. This book doesn't just show you how to virtualize with KVM – it shows you how to do it well. Written to make you an expert on KVM, you'll learn to manage the three essential pillars of scalability, performance and security – as well as some useful integrations with cloud services such as OpenStack. From the fundamentals of setting up a standalone KVM virtualization platform, and the best tools to harness it effectively, including virt-manager, and kimchi-project, everything you do is built around making KVM work for you in the real-world, helping you to interact and customize it as you need it. With further guidance on performance optimization for Microsoft Windows and RHEL virtual machines, as well as proven strategies for backup and disaster recovery, you'll can be confident that your virtualized data center is working for your organization – not hampering it. Finally, the book will empower you to unlock the full potential of cloud through KVM. Migrating your physical machines to the cloud can be challenging, but once you've mastered KVM, it's a little easier. Style and approach Combining advanced insights with practical solutions, Mastering KVM Virtualization is a vital resource for anyone that believes in the power of virtualization to help a business use resources more effectively.

Poverty and Our Future SAP PRESS

The Science and Technology of Flexible Packaging: Multilayer Films from Resin and Process to End Use, Second Edition provides a comprehensive guide on plastic films in flexible packaging, covering scientific principles, materials properties, processes and end use considerations. Sections discuss the science of multilayer films in a concise and impactful way, presenting the fundamental understanding required to improve product design, material selection and processes. In addition, the book includes information on why one material is favored over another and how film or coating affects material properties. Descriptions and analysis of key properties of packaging films are provided from engineering and scientific perspectives. With essential scientific insights, best practice techniques, environmental sustainability information and key principles of structure design, this book provides information aids in material selection and processing, how to shorten development times and deliver stronger products, and ways to enable engineers and scientists to deliver superior products with reduced development time and cost. Provides essential information on all aspects of multilayer films in flexible packaging, including processing, properties, materials and end use Bridges the gap between scientific principles and practical challenges Includes explanations to assist practitioners in overcoming challenges Enables the reader to address new challenges, such as design for sustainability and eCommerce

Generating Electricity from the Sun Good Press

In honour of Professor Erkki Oja, one of the pioneers of Independent Component Analysis (ICA), this book reviews key advances in the theory and application of ICA, as well as its influence on signal processing, pattern recognition, machine learning, and data mining. Examples of topics which have developed from the advances of ICA, which are covered in the book are: A unifying probabilistic model for PCA and ICA Optimization methods for matrix decompositions Insights into the FastICA algorithm Unsupervised deep learning Machine vision and image retrieval

The Vertebrate Organizer Elsevier

The essential guide to the theory and application of the Social Change Model Leadership for a Better World provides an approachable introduction to the Social Change Model of Leadership Development (SCM), giving students a real-world context through which to explore the seven C's of leadership for social change as well as a approaches to socially responsible leadership. From individual, group, and community values through the mechanisms of societal change itself, this book provides fundamental coverage of this increasingly vital topic. Action items, reflection, and discussion questions throughout encourage students to think about how these concepts apply in their own lives. The Facilitator's Guide includes a wealth of activities, assignments, discussions, and supplementary resources to enrich the learning experience whether in class or in the co-curriculum. This new second edition includes student self-assessment rubrics for each element of the model and new discussion on the critical roles of leadership self-efficacy, social perspective, and social justice perspectives. Content is enriched with research on how this approach to leadership is developed, and two new chapters situate the model in a broader understanding of leadership and in applications of the model. The Social Change Model is the most widely-used leadership model for college students, and has shaped college leadership curricula at schools throughout the U.S. and other countries including a translation in Chinese and Japanese. This book provides a comprehensive exploration of the model, with a practical, relevant approach to real-world issues. Explore the many facets of social change and leadership Navigate group dynamics surrounding controversy, collaboration, and purpose Discover the meaning of citizenship and your commitment to the greater good Become an agent of change through one of the many routes to a common goal The SCM is backed by 15 years of research, and continues to be informed by ongoing investigation into the interventions and environments that create positive leadership development outcomes. Leadership for a Better World provides a thorough, well-rounded tour of the Social Change Model, with guidance on application to real-world issues. Please note that The Social Change Model: Facilitating Leadership Development (978-1-119-24243-7) is intended to be used as a Facilitator's Guide to Leadership for a Better World, 2nd Edition in seminars, workshops, and college classrooms. You'll find that, while each book can be used on its own, the content in both is also designed for use together. A link to the home page of The Social Change Model can be found below under Related Titles.

USB Rubber Ducky ReadHowYouWant.com

Microbes are the most abundant organisms in the biosphere and regulate many critical elemental and biogeochemical phenomena. Because microbes are the key players in the carbon cycle and in related biological reactions, microbial ecology is a vital research area for understanding the contribution of the biosphere in global warming and the response of the natural environment to climate variations. The beneficial uses of microbes have enabled constructive and cost-effective responses that have not been possible through physical or chemical methods. This new volume reviews the multifaceted interactions among microbes, ecosystems, and their pivotal role in maintaining a more balanced environment, in order to help facilitate living organisms coexisting with the natural environment. With extensive references, tables, and illustrations, this book provides valuable information on microbial utilization for environmental sustainability and provides fascinating insights into microbial diversity. Key features include: Looks at enhancing plant production through growth-promoting arbuscular mycorrhizae, endophytic bacteria, and microbiome networks Considers microbial degradation and environmental management of e-wastes and azo dyes Explores soil-plant microbe interactions in metal-contaminated soils Examines radiation-resistant thermophiles for engineered bioremediation Describes potential indigenous/effective microbes for wastewater treatment processes Presents research on earthworms and