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Policy Instruments to Improve Energy Performance of Existing Owner Occupied Dwellings Packt Publishing Ltd

Factual and entertaining, compact and easy to follow, *A Walking Tour of the University of Georgia* takes the reader on a leisurely tour of the campus, its history and heritage. When the Georgia legislature chartered the nation's first state university in 1785, the town of Athens was a wilderness. The first university classes, in 1801, were held in a log cabin, and no permanent structure was built until Franklin College--now Old College--was completed in 1806. Since that time, the university has expanded vigorously. The buildings of the University of Georgia--spread over several miles and encompassing many architectural styles--range from the federal style of Demosthenian Hall and the classical design of Brooks Hall to the glass dome and marble of Butts-Mehre Heritage Hall. F.N. Boney's *A Walking Tour of the University of Georgia* guides the reader through the entire campus, offering easy-to-follow maps, photographs, and histories of most structures, as well as information about former students, college life, and the city of Athens.

Condition of Education, 1990 MJP Publisher

The papers in these proceedings of the 1986 Arcata Summer Institute bear witness to the extraordinarily vital and intense research in the representation theory of finite groups. The confluence of diverse mathematical disciplines has brought forth work of great scope and depth. Particularly striking is the influence of algebraic geometry and cohomology theory in the modular representation theory and the character theory of reductive groups over finite fields, and in the general modular representation theory of finite groups. The continuing developments in block theory and the general character theory of finite groups is noteworthy. The expository and research aspects of the Summer Institute are well represented by these papers.

Managerial Economics World Bank Publications

A multidisciplinary consideration of how effective environmental citizenship can be in achieving sustainability, with theoretical, practical, and ethnographic perspectives.

Models and Games Routledge

Anthology containing: Introduction Population and Sample variables Collection of data classification and tabulation of data DIAGRAMS AND GRAPHS Frequency Distribution Descriptive Statistics scriv Measures of Central Tendency Averages Measures of Dispersion Skewness and Kurtosis Inferential statistics Probability Theoretical Probability Distributions Chi-Square Test Binomial Distribution Poisson Distribution Normal Distribution Inference About Population Sampling Methods Hypothesis Testing Student ' s t-Test Analysis of Variance Correlation Regression Demography Computer Applications in Biology Number Systems Computer Codes Organisation of a Computer Computer Program Language Computer Memory and Storage Devices Operating System and Application Programs MS Excel—Statistical Functions Appendix References

Recent Innovations in Computing Springer Nature

Woman and the Colonial State deals with the ambiguous relationship between women of both the European and the Indonesian population and the colonial state in the former Netherlands Indies in the first half of the twentieth century. Based on new data from a variety of sources: colonial archives, journals, household manuals, children's literature, and press surveys, it analyses the women-state relationship by presenting five empirical studies on subjects, in which women figured prominently at the time: Indonesian labour, Indonesian servants in colonial homes, Dutch colonial fashion and food, the feminist struggle for the vote and the intense debate about monogamy of and by women at the end of the 1930s. An introductory essay combines the outcomes of the case studies and relates those to debates about Orientalism, the

construction of whiteness, and to questions of modernity and the colonial state formation.

Density Functional Methods In Physics Cisco Press

This gentle introduction to logic and model theory is based on a systematic use of three important games in logic: the semantic game; the Ehrenfeucht-Fraïssé game; and the model existence game. The third game has not been isolated in the literature before but it underlies the concepts of Beth tableaux and consistency properties. Jouko Väänänen shows that these games are closely related and in turn govern the three interrelated concepts of logic: truth, elementary equivalence and proof. All three methods are developed not only for first order logic but also for infinitary logic and generalized quantifiers. Along the way, the author also proves completeness theorems for many logics, including the cofinality quantifier logic of Shelah, a fully compact extension of first order logic. With over 500 exercises this book is ideal for graduate courses, covering the basic material as well as more advanced applications.

Sustainability Objectives in Competition and Intellectual Property Law John Wiley & Sons

Thermodynamics sets fundamental laws for all physical processes and is central to driving and maintaining planetary dynamics. But how do Earth system processes perform work, where do they derive energy from, and what are the limits? This accessible book describes how the laws of thermodynamics apply to Earth system processes, from solar radiation to motion, geochemical cycling and biotic activity. It presents a novel view of the thermodynamic Earth system explaining how it functions and evolves, how different forms of disequilibrium are being maintained, and how evolutionary trends can be interpreted as thermodynamic trends. It also offers an original perspective on human activity, formulating this in terms of a thermodynamic, Earth system process. This book uses simple conceptual models and basic mathematical treatments to illustrate the application of thermodynamics to Earth system processes, making it ideal for researchers and graduate students across a range of Earth and environmental science disciplines.

Cracking Codes Cambridge University Press

The true cost of what the global food industry throws away. With shortages, volatile prices and nearly one billion people hungry, the world has a food problem—or thinks it does. Farmers, manufacturers, supermarkets and consumers in North America and Europe discard up to half of their food—enough to feed all the world's hungry at least three times over. Forests are destroyed and nearly one tenth of the West's greenhouse gas emissions are released growing food that will never be eaten. While affluent nations throw away food through neglect, in the developing world crops rot because farmers lack the means to process, store and transport them to market. But there could be surprisingly painless remedies for what has become one of the world's most pressing environmental and social problems. Waste traces the problem around the globe from the top to the bottom of the food production chain. Stuart's journey takes him from the streets of New York to China, Pakistan and Japan and back to his home in England. Introducing us to foraging pigs, potato farmers and food

industry CEOs, Stuart encounters grotesque examples of profligacy, but also inspiring innovations and ways of making the most of what we have. The journey is a personal one, as Stuart is a dedicated freegan, who has chosen to live off of discarded or self-produced food in order to highlight the global food waste scandal. Combining front-line investigation with startling new data, Waste shows how the way we live now has created a global food crisis—and what we can do to fix it. *The translation of the meanings of ?ahih AL-Bukhari* Springer

Fundamentals of Petroleum Refining presents the fundamentals of thermodynamics and kinetics, and it explains the scientific background essential for understanding refinery operations. The text also provides a detailed introduction to refinery engineering topics, ranging from the basic principles and unit operations to overall refinery economics. The book covers important topics, such as clean fuels, gasification, biofuels, and environmental impact of refining, which are not commonly discussed in most refinery textbooks. Throughout the source, problem sets and examples are given to help the reader practice and apply the fundamental principles of refining. Chapters 1-10 can be used as core materials for teaching undergraduate courses. The first two chapters present an introduction to the petroleum refining industry and then focus on feedstocks and products. Thermophysical properties of crude oils and petroleum fractions, including processes of atmospheric and vacuum distillations, are discussed in Chapters 3 and 4. Conversion processes, product blending, and alkylation are covered in chapters 5-10. The remaining chapters discuss hydrogen production, clean fuel production, refining economics and safety, acid gas treatment and removal, and methods for environmental and effluent treatments. This source can serve both professionals and students (on undergraduate and graduate levels) of Chemical and Petroleum Engineering, Chemistry, and Chemical Technology. Beginners in the engineering field, specifically in the oil and gas industry, may also find this book invaluable. Provides balanced coverage of fundamental and operational topics Includes spreadsheets and process simulators for showing trends and simulation case studies Relates processing to planning and management to give an integrated picture of refining

Women and the Colonial State South Western Educational Publishing

Potential theory is the broad area of mathematical analysis encompassing such topics as harmonic and subharmonic functions.

Environmental Pollution & Control Springer

Network analysis using Wireshark Cookbook contains more than 100 practical recipes for analyzing your network and troubleshooting problems in the network. This book provides you with simple and practical recipes on how to solve networking problems with a step-by-step approach. This book is aimed at research and development professionals, engineering and technical support, and IT and communications managers who are using Wireshark for network analysis and troubleshooting. This book requires a basic understanding of networking concepts, but does not require specific and detailed technical knowledge of protocols or vendor implementations. **Financial Planning & Analysis and Performance Management** Cambridge University Press

The Federal Government of Nigeria has adopted Vision 20: 2020--an ambitious strategy to make Nigeria the world's 20th largest economy by 2020. In the absence of policies to accompany economic growth in key carbon-emitting sectors with a reduced carbon footprint, emission of greenhouse gases could more than double in the next two decades. To evaluate how to achieve the objectives of Vision 20: 2020 with reduced carbon emissions, the Federal Government of Nigeria and the World Bank undertook a multiyear program of analytical work. The summary results of this program are contained in a separate book (published in the World Bank's "Directions in Development" series) entitled *Low-Carbon Development: Opportunities*

for Nigeria, which concludes that Nigeria can achieve its development objectives, while stabilizing emissions at 2010 levels and providing domestic benefits on the order of 2 percent of GDP. This volume is a collection of the background technical reports on the four sectors of inquiry: agriculture and land use, oil and gas, power, and transport. It contains details on the data, methodology, and assumptions used throughout the analysis. For agriculture and land use, the study team developed an agriculture production growth model, which permits the evaluation of sector emissions in both a reference and a low-carbon scenario. The study finds that low-carbon practices have significant potential to make the sector more productive and more climate-resilient. For the oil and gas sector, the analysis assesses the potential of accelerated phase-out of gas flaring, reduction of leakages, and increased energy efficiency in the operation of facilities, to both reduce the sector's emission and contribute to the industry's net revenues and growth. The analysis of the power sector shows how the country can expand power generation and broaden access to electricity while reducing associated emissions, through renewable energy, energy efficiency, and lower-carbon technologies in thermal power generation. Finally, this analysis assesses the expected growth in CO2 emissions from on-road transport under a normal business development scenario up to the year 2035, and it identifies actions at national and local levels that would reduce this growth, resulting in fuel economies, better air quality, and reduced congestion. **Assessing Low-Carbon Development in Nigeria: An Analysis of Four Sectors** outlines several actions that the Nigerian government could undertake to facilitate the transition to a low-carbon economy.

Fundamentals of Petroleum Refining W. W. Norton & Company

Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. --Master Cisco CCIE R&S v5.0 exam topics, including BGP, QoS, WANs, IP multicast, security, and MPLS --Assess your knowledge with chapter-opening quizzes --Review key concepts with exam preparation tasks This is the eBook edition of the CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert instructors Narbik Kocharians and Terry Vinson share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This second of two volumes covers IP BGP routing, quality of service (QoS), wide area networks, IP multicast, network security, and Multiprotocol Label Switching (MPLS) topics. This complete study package includes --A test-preparation routine proven to help you pass the exams --"Do I Know This Already?" quizzes, which enable you to decide how much time you need to spend on each section --Chapter-ending exercises, which help you drill on key concepts you must know thoroughly --The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports --A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies --Study plan suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. The official study guide helps you master topics on the CCIE Routing and Switching v5.0 exams, including: --BGP operations and routing policies --QoS --WANs --IP Multicast

--Device and network security and tunneling technologies --MPLS *Potential Theory in the Complex Plane* Dalcassian Publishing Company With its emphasis on real world, manager-oriented applications, this text shows students how managers apply theories and techniques to analyse and solve real-world business problems.

Waste: Uncovering the Global Food Scandal American Mathematical Soc. This open access volume of LIDC contributions focuses on how competition and intellectual property laws incorporate sustainability objectives. Businesses are increasingly embracing sustainability objectives, driven by the international community. Although competition and intellectual property law are certainly not the only tools for addressing sustainability issues, they can play a role in moving toward a more sustainable society. Sustainability has gained prominence in competition law in all jurisdictions covered in this volume. The contributions focus on classic questions such as whether sustainability agreements restrict competition and, if so, to what extent businesses can be exempted on efficiency grounds. The papers also raise a number of questions, in particular concerning the treatment of non-market efficiencies. The soft law and case law produced by competition authorities are examined, and the leadership role of some competition authorities in the field - from advocacy to policy papers and sustainability guidelines - is highlighted. The authors call for more individual guidance to provide enhanced transparency and clarity to industry, advisors and society at large on sustainability issues, with guidelines or sustainability-related block exemptions providing even greater legal certainty. With regard to intellectual property, the contributions examine various important issues, such as the need for intellectual property rights to remain technology-neutral, ways to promote the use of sustainable technologies and incentives for licensing, and ways to promote the dissemination of sustainable technologies, including compulsory licensing, cross-licensing, open source or FRAND licensing, and replacing the destruction of counterfeit goods with recycling. The papers also discuss greenwashing and how it can be addressed through revisions to trademarks and related rights.

CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2 Univ of California Press

This book presents the first comprehensive overview of the properties and fabrication methods of GaN-based power transistors, with contributions from the most active research groups in the field. It describes how gallium nitride has emerged as an excellent material for the fabrication of power transistors; thanks to the high energy gap, high breakdown field, and saturation velocity of GaN, these devices can reach breakdown voltages beyond the kV range, and very high switching frequencies, thus being suitable for application in power conversion systems. Based on GaN, switching-mode power converters with efficiency in excess of 99 % have been already demonstrated, thus clearing the way for massive adoption of GaN transistors in the power conversion market. This is expected to have important advantages at both the environmental and economic level, since power conversion losses account for 10 % of global electricity consumption. The first part of the book describes the properties and advantages of gallium nitride compared to conventional semiconductor materials. The second part of the book describes the techniques used for device fabrication, and the methods for GaN-on-Silicon mass production. Specific attention is paid to the three most advanced device structures: lateral transistors, vertical power devices, and nanowire-based HEMTs. Other relevant topics covered by the book are the strategies for normally-off operation, and the problems related to device reliability. The last chapter reviews the switching characteristics of GaN HEMTs based on a systems level approach. This book is a unique reference for people working in the materials, device and power electronics fields; it provides interdisciplinary information on material growth,

device fabrication, reliability issues and circuit-level switching investigation.

Conserving the World's Biological Diversity Cambridge University Press

This book features selected papers presented at the 3rd International Conference on Recent Innovations in Computing (ICRIC 2020), held on 20-21 March 2020 at the Central University of Jammu, India, and organized by the university's Department of Computer Science & Information Technology. It includes the latest research in the areas of software engineering, cloud computing, computer networks and Internet technologies, artificial intelligence, information security, database and distributed computing, and digital India.

Fluidized-Bed Reactors: Processes and Operating Conditions International Union for Conservation of Nature and Natural

The fluidized-bed reactor is the centerpiece of industrial fluidization processes. This book focuses on the design and operation of fluidized beds in many different industrial processes, emphasizing the rationale for choosing fluidized beds for each particular process. The book starts with a brief history of fluidization from its inception in the 1940's. The authors present both the fluid dynamics of gas-solid fluidized beds and the extensive experimental studies of operating systems and they set them in the context of operating processes that use fluid-bed reactors. Chemical engineering students and postdocs as well as practicing engineers will find great interest in this book.

An Introduction to Biostatistics MDPI

The Dark Side of Interpersonal Communication examines the multifunctional ways in which seemingly productive communication can be destructive—and vice versa—and explores the many ways in which dysfunctional interpersonal communication operates across a variety of personal relationship contexts. This second edition of Brian Spitzberg and William Cupach's classic volume presents new chapters and topics, along with updates of several chapters in the earlier edition, all in the context of surveying the scholarly landscape for new and important avenues of investigation. Offering much new content, this volume features internationally renowned scholars addressing such compelling topics as uncertainty and secrecy in relationships; the role of negotiating self in cyberspace; criticism and complaints; teasing and bullying; infidelity and relational transgressions; revenge; and adolescent physical aggression toward parents. The chapters are organized thematically and offer a range of perspectives from both junior scholars and seasoned academics. By posing questions at the micro and macro levels, *The Dark Side of Interpersonal Communication* draws closer to a perspective in which the darker sides and brighter sides of human experience are better integrated in theory and research. Appropriate for scholars, practitioners, and students in communication, social psychology, sociology, counseling, conflict, personal relationships, and related areas, this book is also useful as a text in graduate courses on interpersonal communication, ethics, and other special topics.

Student Learning Outside the Classroom Amsterdam University Press The second of two volumes, this is Cisco's official, complete self-study resource for the BGP, QoS, IP multicast, security, WANs, and MPLS areas of the new CCIE Routing and Switching 5.0 exam. Designed for experienced networking professionals, it covers every objective in these areas concisely and logically, with extensive teaching features designed to help retention and develop deeper insight.