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Advances in the Dempster-Shafer Theory of Evidence Anshan Pub

A gloriously illustrated examination of the origins and development of the nude as an artistic subject in Renaissance Europe Reflecting an era when Europe looked to both the classical past and a global future, this volume explores the emergence and acceptance of the nude as an artistic subject. It engages with the numerous and complex connotations of the human body in more than 250 artworks by the greatest masters of the Renaissance. Paintings, sculptures, prints, drawings, illuminated manuscripts, and book illustrations reveal private, sometimes shocking, preoccupations as well as surprising public beliefs—the Age of Humanism from an entirely new perspective. This book presents works by Albrecht Dürer, Lucas Cranach, and Martin Schongauer in the north and Donatello, Raphael, and Giorgione in the south; it also introduces names that deserve to be known better. A publication this rich in scholarship could only be produced by a variety of expert scholars; the sixteen contributors are preeminent in their fields and wide-ranging in their knowledge and curiosity. The structure of the volume—essays alternating with shorter texts on individual artworks—permits studies both broad and granular. From the religious to the magical and the poetic to the erotic, encompassing male and female, infancy, youth, and old age, *The Renaissance Nude* examines in a profound way what it is to be human.

Basic Mechanical Engineering Springer

The laboratory examination of a lubricant's characteristics, suspended impurities, and wear debris is known as oil analysis (OA). OA is carried out as part of regular predictive maintenance to deliver precise and useful data on lubricant and machine condition. Trends can be found by following the findings of oil analysis samples over the course of a certain machine. These trends can help avoid expensive repairs. Tribology is the study of wear in machinery. Tribologists frequently perform or interpret results from oil analyses. Oil analysis is a long-term program that, where relevant, can eventually be more predictive than any of the other technologies. It can take years for a plant's oil program to reach this level of sophistication and effectiveness. This book includes what all practitioners need to know to build an oil analysis program for their machine inspection. This book includes three real case studies and numerous industrial examples to improve machine reliability and enhance the condition monitoring program.

Fungi in Fuel Biotechnology Springer

Complex behavior models (plasticity, cracks, visco elasticity) face some theoretical difficulties for the determination of the behavior law at the continuous scale. When homogenization fails to give the right behavior law, a solution is to simulate the material at a meso scale in order to simulate directly a set of discrete properties that are responsible of the macroscopic behavior. The discrete element model has been developed for granular material. The proposed set shows how this method is capable to solve the problem of complex behavior that are linked to discrete meso scale effects. The first book solves the local problem, the second one presents a coupling approach to link the structural effects to the local ones, this third book presents the software workbench that includes all the theoretical developments.

Depression Stories John Wiley & Sons

The plan was perfect.No cameras, no microphones, no prying eyes and plenty of security.The setting for a clandestine meeting could not have been better.Former President Bill Clinton exited Attorney General Loretta Lynch's private plane 20-minutes after he boarded.Both thought they got away with it. Both were wrong.Amid a heated Presidential race, federal investigations involving emails and Benghazi and society looking for clarity on the future of the country, the secret tarmac meeting would only complicate things.The secret meeting would have never been revealed if it weren't for a veteran journalist and a trusted source.It wasn't the Emmys, Murrows or Associated Press Awards, it was decades of experience and relationships that led to the moment Christopher Sign broke the story of the secret tarmac meeting.His former teammates and coaches at the University of Alabama would play a personal and critical role after breaking the story. From politics to football, to friendship and journalism, this is the unfiltered story of the secret tarmac meeting. Christopher takes you behind the scenes for a step by step account of how it all unfolded in the summer of 2016 on a blazing tarmac. Details revealed for the first time, the process, the questions of sabotage, the attempt at a coverup, the contradictions from Clinton & Lynch, and the source who saw it all. Take a ride and tackle THE SECRET ON THE TARMAC.

Vocational Education and Vocational Rehabilitation Cambridge University Press

Integrated bioinformatics solutions have become increasingly valuable in past years, as technological advances have allowed researchers to consider the potential of omics for clinical diagnosis, prognosis, and therapeutic purposes, and as the costs of such techniques have begun to lessen. In *Bioinformatics Methods in Clinical Research*, experts examine the latest developments impacting clinical omics, and describe in great detail the algorithms that are currently used in publicly available software tools. Chapters discuss statistics, algorithms,

automated methods of data retrieval, and experimental consideration in genomics, transcriptomics, proteomics, and metabolomics. Composed in the highly successful *Methods in Molecular Biology*TM series format, each chapter contains a brief introduction, provides practical examples illustrating methods, results, and conclusions from data mining strategies wherever possible, and includes a Notes section which shares tips on troubleshooting and avoiding known pitfalls. Informative and ground-breaking, *Bioinformatics Methods in Clinical Research* establishes a much-needed bridge between theory and practice, making it an indispensable resource for bioinformatics researchers.

Secret on the Tarmac Laxmi Publications

This book presents the cutting edge developments within a broad field related to robotic sailing. The contributions were presented during the 8th International Robotic Sailing Conference, which has taken place as a part of the 2015 World Robotic Sailing Championships in Mariehamn, Åland (Finland), August 31st – September 4th 2015. Since more than a decade, a series of competitions such as the World Robotic Sailing Championship have stimulated a variety of groups to work on research and development around autonomous sailing robots, which involves boat designers, naval architects, electrical engineers and computer scientists. While many of the challenges in building a truly autonomous sailboat are still unsolved, the books presents the state of the art of research and development within platform optimization, route and stability planning, collision avoidance, power management and boat control.

Pocket Mechanic Getty Publications

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.

Embracing Betrayal SAE International

Builds on classical probability theory and offers an extremely workable solution to the many problems of artificial intelligence, concentrating on the rapidly growing areas of fuzzy reasoning and neural computing. Contains a collection of previously unpublished articles by leading researchers in the field.

Modeling Complex Systems Mohammed Hamed Ahmed Soliman

This book presents the papers from the latest conference in this successful series on fuel injection systems for internal combustion engines. It is vital for the automotive industry to continue to meet the demands of the modern environmental agenda. In order to excel, manufacturers must research and develop fuel systems that guarantee the best engine performance, ensuring minimal emissions and maximum profit. The papers from this unique conference focus on the latest technology for state-of-the-art system design, characterisation, measurement, and modelling, addressing all technological aspects of diesel and gasoline fuel injection systems. Topics range from fundamental fuel spray theory, component design, to effects on engine performance, fuel economy and emissions. Presents the papers from the IMechE

conference on fuel injection systems for internal combustion engines Papers focus on the latest technology for state-of-the-art system design, characterisation, measurement and modelling; addressing all technological aspects of diesel and gasoline fuel injection systems Topics range from fundamental fuel spray theory and component design to effects on engine performance, fuel economy and emissions

Multiple Access Protocols for Mobile Communications Springer

Mahaela Cremo, a private security consultant by day and hereditary Hunter by trade, has proven she doesn't need a man to protect her. Hell, she's been hunting the dark forces that prey on the citizens of modern day Knoxville since she was a teen. Yet when she's attacked by an unknown evil she can't defeat, she knows she must ask for help. She also knows the only person who can help her is the man who left her broken. Noah Jackson has never stopped loving Mahaela, but as a member of an elite group of Hunters, he's forbidden from being with her. He's given in - until now. Now the evil that attacked her is forcing him to choose between risking her wrath or watching her die. Can Noah and Mahaela come together and embrace their past or will their unresolved betrayals destroy their future?

Machinery Oil Analysis & Condition Monitoring : A Practical Guide to Sampling and Analyzing Oil to Improve Equipment Reliability Krishna Prakashan Media

This book provides a self-contained introduction to cellular automata and lattice Boltzmann techniques. Beginning with a chapter introducing the basic concepts of this developing field, a second chapter describes methods used in cellular automata modeling. Following chapters discuss the statistical mechanics of lattice gases, diffusion phenomena, reaction-diffusion processes and non-equilibrium phase transitions. A final chapter looks at other models and applications, such as wave propagation and multiparticle fluids. With a pedagogic approach, the volume focuses on the use of cellular automata in the framework of equilibrium and non-equilibrium statistical physics. It also emphasises application-oriented problems such as fluid dynamics and pattern formation. The book contains many examples and problems. A glossary and a detailed bibliography are also included. This will be a valuable book for graduate students and researchers working in statistical physics, solid state physics, chemical physics and computer science.

The Renaissance Nude Elsevier

Lifelong Machine Learning, Second Edition is an introduction to an advanced machine learning paradigm that continuously learns by accumulating past knowledge that it then uses in future learning and problem solving. In contrast, the current dominant machine learning paradigm learns in isolation: given a training dataset, it runs a machine learning algorithm on the dataset to produce a model that is then used in its intended application. It makes no attempt to retain the learned knowledge and use it in subsequent learning. Unlike this isolated system, humans learn effectively with only a few examples precisely because our learning is very knowledge-driven: the knowledge learned in the past helps us learn new things with little data or effort. Lifelong learning aims to emulate this capability, because without it, an AI system cannot be considered truly intelligent. Research in lifelong learning has developed significantly in the relatively short time since the first edition of this book was published. The purpose of this second edition is to expand the definition of lifelong learning, update the content of several chapters, and add a new chapter about continual learning in deep neural networks—which has been actively researched over the past two or three years. A few chapters have also been reorganized to make each of them more coherent for the reader. Moreover, the authors want to propose a unified framework for the research area. Currently, there are several research topics in machine learning that are closely related to lifelong learning—most notably, multi-task learning, transfer learning, and meta-learning—because they also employ the idea of knowledge sharing and transfer. This book brings all these topics under one roof and discusses their similarities

and differences. Its goal is to introduce this emerging machine learning paradigm and present a comprehensive survey and review of the important research results and latest ideas in the area. This book is thus suitable for students, researchers, and practitioners who are interested in machine learning, data mining, natural language processing, or pattern recognition. Lecturers can readily use the book for courses in any of these related fields.

Numerical Physics Springer

This book offers a counterpart to the extensive corpus of literature available on the same topic from a Western perspective. It showcases innovative approaches to professional development of mathematics teachers in Asian countries, and reports on both empirical and expository studies of teachers' professional development in these countries. It provides scholars from non-English-speaking and under-represented Asian countries the opportunity to engage in discourse with other scholars in the field, and is the first book to present substantial contributions from scholars in Asia on the professional development of mathematics teachers in their respective countries. It includes perspectives that shed valuable light on how the approaches pursued in Asian countries resemble or differ from those in the West.

3D Discrete Element Workbench for Highly Dynamic Thermo-mechanical Analysis John Wiley & Sons

This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards.

The White House Conference for a Drug Free America World Health Organization

Abstract: This is the final report of the White House Conference for a Drug Free America presented to the President of the United States and members of the 100th Congress. The primary aim of this conference was to gather integrated view points from American citizens on how to solve illegal drug problems in the country. The opinions of the following among others were sought: law enforcement, health care and research professionals; corporate and labor leaders; parents; and educators. The report examines the scope of the drug problem, the involvement of the situation, and offers some solutions. Emphasis is placed on prevention recommendations. Resources on drug issues, recommended reading, and audiovisual materials are included.

Achtung-Panzer! Elsevier Health Sciences

Due to the huge quantity and diverse nature of their metabolic pathways, fungi have great potential to be used for the production of different biofuels such as bioethanol, biobutanol, and biodiesel. This book presents recent advances, as well as challenges and promises, of fungal applications in biofuel production, subsequently discussing plant pathogenic fungi for bioethanol and biodiesel production, including their mechanisms of action. Additionally, this book reviews biofuel production using plant endophytic fungi, wood-rotting fungi, fungal biocontrol agents, and gut fungi, and it investigates highly efficient fungi for biofuel production and process design in fungal-based biofuel production systems. Finally, life cycle assessment of fungal-based biofuel production systems are discussed in this volume.

Robotic Sailing 2015 McGraw Hill Professional

Fuel Cells have become a potentially highly efficient sustainable source of energy and electricity for an ever-demanding power

hungry world. The two main types of fuel cells ripe for commercialisation are the high temperature solid oxide fuel cell (SOFC) and the low temperature polymer electrolyte membrane fuel cell (PEM). The commercial uses of which include, but are not limited to, military, stand-by power, commercial and industrial, and remoter power. However, all aspects of the electricity market are being considered. This book has brought together a team of world-renowned experts in all aspects of fuel cell development for both SOFC and PEM in a workshop environment. The workshop held between June 6–10, 2004 was held in the capital city of the Ukraine, Kiev. The reason for the venue was that Ukraine is the third largest resource of zircon sands, a major source of material for the solid oxide fuel cell. Ukraine is looking at undertaking a very large effort in the solid oxide fuel cell arena, and hopes, one day, to be an international player in this market, and this book is an outcome from the workshop. The book focuses on the issues related to fuel cells, particularly the state-of-the-art internationally, the issues that were of particular interest for getting fuel cells fully commercialized, and advances in fuel cell materials and technology. The focus was on all types of fuel cells, but the emphasis was particularly on solid oxide fuel cells (SOFC), due to their importance to the host country. The book is an essential reference to researchers, academics and industrialists interested in up-to-date information on SOFC and PEM development.

WHO Guidelines for Indoor Air Quality CRC Press

Physics is really important to game programmers who need to know how to add physical realism to their games. They need to take into account the laws of physics when creating a simulation or game engine, particularly in 3D computer graphics, for the purpose of making the effects appear more real to the observer or player. The game engine ne

Maximize the Moment American Mathematical Soc.

The first practical guide to linking business strategy with the art and science of user experience and online design It has becoming increasingly clear that the big winners in the E-business arena are those that practice customer-centric design. While there are a multitude of good books on the art and science of user interface and website design, until Built For Use, there were none that focused on user experience from the corporate strategist's and marketing manager's perspectives. Drawing upon her work as a user-experience strategist for numerous Fortune 1,000 firms, Karen Donoghue explores the dynamics of business strategy and user experience in a concise, jargon-free manner for nontechnical managers. With the help of fascinating and instructive before-and-after case studies, she helps managers become fluent in the language of user-experience; identifies user-experience and design strategy best practices; explains how to determine what customers want; and much more.

Engine Lubrication Walker Large Print

In this 1905 humorous short story, confusion over what a guinea pig truly is causes trouble for a stubborn railway agent. Mr. Morehouse would very much like to collect his two guinea pigs from the express office of the Interurban Express Company. However, railway agent Mike Flannery wants to charge him the livestock rate of thirty cents—not the lower pet rate of twenty-five cents. “Pigs is pigs,” he tells an enraged Mr. Morehouse, believing that “guinea” is merely an indication of the pigs' national origin. With both men refusing to budge, the guinea pigs remain in Flannery's office where he is forced to feed and care for them. Just when Flannery thinks he's in the clear, his problems begin to multiply . . .