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Probability and Statistics Chandresh Agrawal

In this volume security specialists, peace researchers, environmental scholars, demographers as well as climate, desertification, water, food and urbanisation specialists from the Middle East and North Africa, Europe and North America review security and conflict prevention in the Mediterranean. They also analyse NATO 's Mediterranean security dialogue and offer conceptualisations on security and perceptions of security challenges as seen in North and South. The latter half of the book analyses environmental security and conflicts in the Mediterranean and environmental consequences of World War II, the Gulf War, the Balkan wars and the Middle East conflict. It also examines factors of global environmental change: population growth, climate change, desertification, water scarcity, food and urbanisation issues as well as natural disasters. Furthermore, it draws conceptual conclusions for a fourth phase of research on human and environmental security and peace as well as policy conclusions for cooperation and partnership in the Mediterranean in the 21st century.

Soviet Physics, Doklady Springer Science & Business Media

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

Technical Translations SAGE Publications

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

The Index of Technical Articles Oxford University Press

The C++ language is brought up-to-date and simplified, and the Standard Template Library is now fully incorporated throughout the text. Data Structures and Algorithm Analysis in C++ is logically organized to cover advanced data structures topics from binary heaps to sorting to NP-completeness. Figures and examples illustrating successive stages of algorithms contribute to Weiss' careful, rigorous and in-depth analysis of each type of algorithm.

Soviet Physics Springer Nature

The goal of the book is to use combinatorial techniques to solve fundamental physics problems, and vice-versa, to use theoretical physics techniques to solve combinatorial problems.

The Lancet Macmillan

The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical, authoritative evaluations of advances in every area of the discipline. Filled with cutting-edge research reported in a cohesive manner not found elsewhere in the literature, each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics.

Security and Environment in the Mediterranean Pearson Education India

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Catalog of the United States Geological Survey Library SPIE-International Society for Optical Engineering

Abstracts and condensations from various Soviet journals.

Principles of Chemical Nomenclature Academic Press

SGN. The DSE-Assam PGT Exam PDF-eBook Covers All Sections of The Exam Except Current Affairs.

Physics Letters HY Publishing Company Limited

Optical Properties of Solids covers the important concepts of intrinsic optical properties and photoelectric emission. The book starts by providing an introduction to the fundamental optical spectra of solids. The text then discusses Maxwell's equations and the dielectric function; absorption and dispersion; and the theory of free-electron metals. The quantum mechanical theory of direct and indirect transitions between bands; the applications of dispersion relations; and the derivation of an expression for the dielectric function in the self-consistent field approximation are also encompassed. The book further tackles current-current correlations; the fluctuation-dissipation theorem; and the effect of surface plasmons on optical properties and photoemission. People involved in the study of the optical properties of solids will find the book invaluable.

Spectral Computed Tomography Royal Society of Chemistry

Aimed at pre-university and undergraduate students, this volume surveys the current IUPAC nomenclature recommendations in organic, inorganic and macromolecular chemistry.

Energy Abstracts for Policy Analysis

This book constitutes invited papers from the First International Workshop on Frontiers in Software Engineering Education, FISEE 2019, which took place during November 11-13, 2019, at the Château de Villebrumier, France. The 25 papers included in this volume were considerably enhanced after the conference and during two different peer-review phases. The contributions cover a wide range of problems in teaching software engineering and are organized in the following sections: Course experience; lessons learnt; curriculum and course design;

competitions and workshops; empirical studies, tools and automation; globalization of education; and learning by doing. The final part "TOOLS Workshop: Artificial and Natural Tools (ANT)" contains submissions presented at a different, but related, workshop run at Innopolis University (Russia) in the context of the TOOLS 2019 conference. FISEE 2019 is part of a series of scientific events held at the new LASER center in Villebrumier near Montauban and Toulouse, France.

Geophysical Abstracts

Unlike traditional introductory math/stat textbooks, Probability and Statistics: The Science of Uncertainty brings a modern flavor based on incorporating the computer to the course and an integrated approach to inference. From the start the book integrates simulations into its theoretical coverage, and emphasizes the use of computer-powered computation throughout.* Math and science majors with just one year of calculus can use this text and experience a refreshing blend of applications and theory that goes beyond merely mastering the technicalities.

They'll get a thorough grounding in probability theory, and go beyond that to the theory of statistical inference and its applications. An integrated approach to inference is presented that includes the frequency approach as well as Bayesian methodology. Bayesian inference is developed as a logical extension of likelihood methods. A separate chapter is devoted to the important topic of model checking and this is applied in the context of the standard applied statistical techniques. Examples of data analyses using real-world data are presented throughout the text. A final chapter introduces a number of the most important stochastic process models using elementary methods. *Note: An appendix in the book contains Minitab code for more involved computations. The code can be used by students as templates for their own calculations. If a software package like Minitab is used with the course then no programming is required by the students.

Scientific and Technical Aerospace Reports

Drawing on more than 40 years of experience conducting applied social science research and program evaluation, author Michael Quinn Patton has crafted the most comprehensive and systematic book on qualitative research and evaluation methods, inquiry frameworks, and analysis options available today. Now offering more balance between applied research and evaluation, this Fourth Edition of Qualitative Research & Evaluation Methods illuminates all aspects of qualitative inquiry through new examples, stories, and cartoons; more than a hundred new summarizing and synthesizing exhibits; and a wide range of new highlight sections/sidebars that elaborate on important and emergent issues. For the first time, full case studies are included to illustrate extended research and evaluation examples. In addition, each chapter features an extended "rumination," written in a voice and style more emphatic and engaging than traditional textbook style, about a core issue of persistent debate and controversy.

Soviet Physics-collection

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Energy Research Abstracts

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Energy: a Continuing Bibliography with Indexes