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Hearings Before the Subcommittee on Water Resources and Environment of the Committee on Public Works and Transportation, House of Representatives, One Hundred Third Congress, Second Session, May 24 and 26, 1994 Springer Science & Business Media

Formal methods enable computer architecture and software design to be mathematically proved correct before they are implemented. The complexity and time-consuming nature of such proofs have limited the applications of formal methods in the main to defence and safety-critical applications. The mural project (a joint Alvey-funded project between Manchester University and Rutherford Appleton Laboratories) has developed a software support system to help the user of formal methods. mural has created a user-friendly software environment (with extensive use of windows) that makes best use of human talents to produce computer systems that are proved to be correctly designed. Professor Cliff Jones is internationally known as the developer of the VDM system of formal notation (Vienna Development Method). This book describes the requirements, concepts, and realisation of the mural system. The authors present systematically and completely the results of this substantial research project, from the basic theoretical level to its effective implementation. The book will be of equal interest to academics working on formal methods at research level (and perhaps to graduate research students), and to practitioners and software engineers who are using - or who will have to use for defence contracts, etc. - formal methods.

Black Notes Elsevier Health Sciences

"Beauty is the first test: there is no permanent place in the world for ugly mathematics. " - G. H. Hardy Number theory has been considered since time immemorial to be the very paradigm of pure (some would say useless) mathematics. In fact, the Chinese characters for mathematics are Number Science. "Mathematics is the queen of sciences - and number theory is the queen of mathematics," according to Carl Friedrich Gauss, the lifelong Wunderkind, who himself enjoyed the epithet "Princeps Mathematicorum. " What could be more beautiful than a deep, satisfying relation between whole numbers. (One is almost tempted to call them wholesome numbers') In fact, it is hard to come up with a more appropriate designation than their learned name: the integers - meaning the "untouched ones". How high they rank, in the realms of pure thought and aesthetics, above their lesser brethren: the real and complex number- whose first names virtually exude unsavory involvement with the complex realities of everyday life! Yet, as we shall see in this book, the theory of integers can provide totally unexpected answers to real-world problems. In fact, discrete mathematics is taking on an ever more important role. If nothing else, the advent of the digital computer and digital communication has seen to that. But even earlier, in physics the emergence of quantum mechanics and discrete elementary particles put a premium on the methods and, indeed, the spirit of discrete mathematics.

Prentice Hall Chemistry Cambridge University Press

Database Systems: A Pragmatic Approach is a classroom textbook for use by students who are learning about relational databases, and the professors who teach them. It discusses the database as an essential component of a software system, as well as a valuable, mission critical corporate

resource. The book is based on lecture notes that have been tested and proven over several years, with outstanding results. It also exemplifies mastery of the technique of combining and balancing theory with practice, to give students their best chance at success. Upholding his aim for brevity, comprehensive coverage, and relevance, author Elvis C. Foster's practical and methodical discussion style gets straight to the salient issues, and avoids unnecessary fluff as well as an overkill of theoretical calculations. The book discusses concepts, principles, design, implementation, and management issues of databases. Each chapter is organized systematically into brief, reader-friendly sections, with itemization of the important points to be remembered. It adopts a methodical and pragmatic approach to solving database systems problems. Diagrams and illustrations also sum up the salient points to enhance learning. Additionally, the book includes a number of Foster's original methodologies that add clarity and creativity to the database modeling and design experience while making a novel contribution to the discipline. Everything combines to make Database Systems: A Pragmatic Approach an excellent textbook for students, and an excellent resource on theory for the practitioner.

Radar in Meteorology Academic Press

Philosophies and Theories for Advanced Nursing Practice, Second Edition was developed as an essential resource for advance practice students in master s and doctoral programs. This text is appropriate for students needing an introductory understanding of philosophy and how a theory is constructed as well as students and nurses who understand theory at an advanced level. The Second Edition discusses the AACN DNP essentials which is critical for DNP students as well as PhD students who need a better understanding of the DNP-educated nurse s role. Philosophies and Theories for Advanced Nursing Practice, Second Edition covers a wide variety of theories in addition to nursing theories. Coverage of non-nursing related theory is beneficial to nurses because of the growing national emphasis on collaborative, interdisciplinary patient care. The text includes diagrams, tables, and discussion questions to help students understand and reinforce core content."

Machine Translation Jones & Bartlett Publishers

Written by the members of the IFIP Working Group 2.3 (Programming Methodology) this text constitutes an exciting reference on the front-line of research activity in programming methodology. The range of subjects reflects the current interests of the members, and will offer insightful and controversial opinions on modern programming methods and practice. The material is arranged in thematic sections, each one introduced by a problem which epitomizes the spirit of that topic. The exemplary problem will encourage vigorous discussion and will form the basis for an introduction/tutorial for its section.

Prentice Hall

Control and Managing Interest Rate RiskMacmillan CollegeRadar in MeteorologyBattan Memorial and 40th Anniversary Radar Meteorology ConferenceSpringer

mural: A Formal Development Support System Pearson Prentice Hall

This fully illustrated volume covers the history of radar meteorology, deals with the issues in the field from both the operational and the scientific viewpoint, and looks ahead to future issues and how they will affect the current atmosphere. With over 200 contributors, the volume is a product of the entire community and represents an unprecedented compendium of knowledge in the field.

Methodology of Economics and Other Social Sciences Cambridge University Press

A concise introduction to the mineralogy and petrology of igneous and metamorphic rocks for all Earth Science students.

Battan Memorial and 40th Anniversary Radar Meteorology Conference Apress

Methodology of Economics and Other Social Sciences covers the problems in the methodological aspects of economics and other social science disciplines. This book is organized into seven parts encompassing 26 chapters. The first parts review the nature and significance of methodology of economics, along with the models and theories in the field. The succeeding parts deal with the verification problems, operational concepts, and interpretation of reality in economics. Other parts explore the methodological aspects of other social sciences. The last parts discuss some aspects and applications of economic methodologies. This book will be of value to economists, social scientists, and researchers.

A Pragmatic Approach CQ Press

On March 12, 1993, Lillian Gish's memorial service was attended by a host of celebrities whose lives had been touched by her long and remarkable career. From her first film, An Unseen Enemy (1912), to her last, The Whales of August (1987), Lillian Gish personified film. With a theatrical career spanning nearly 100

years, Gish saw motion pictures evolve from flickers to blockbusters. Almost always playing someone who needed to be rescued or protected, her trademark delicacy and vulnerability were, however, only part of her persona. She was a strong and complex woman whose painful childhood taught her frugality, love for her mother and her sister, Dorothy, and a distrust of men. In this, her most complete biography, the author, who was her friend, chronicles the hardships, heartaches, and fierce determination that shaped her from her days as a fatherless child to those as head of her family, and on to a time when she became nearly a legend. Featuring rare photographs and intimate recollections of Lillian, Dorothy, and other important figures, the biography is helpful in understanding film history as well as one of its most beautiful and important figures.

Number Theory in Science and Communication Routledge

This fifth edition arms readers with the latest information on nutrient metabolism and the formulation of diets from an array of available feedstuffs. The authors discuss animals' role in ecological balance, environmental stability and sustainable agriculture and food production. A new chapter on the regulation of nutrient partitioning offers a lively and timely discussion of emerging technologies in modifying and increasing efficiency of nutrient metabolism and animal food composition. A new chapter on toxic minerals in the food chain addresses the role of agricultural production animal nutrition in protecting the environment from toxic levels of minerals and nitrogen in the food chain.

Evolutionary History of the Robust Australopithecines CIPD Publishing

Following in the footsteps of renowned authors like Alain Locke, Harold Cruse, and Amiri Baraka, Black Notes: Essays of A Musician Writing in A Post-Album Age, takes as its mission an important aesthetic inquiry, asking the compelling questions: How did we get where we are? What's next among this generation's artistic voices, concerns, and practices? What is the future of Black Popular Music? In this fascinating collection of essays, interviews, and notes, Author William C. Banfield celebrates and critiques the values of contemporary Black popular music through the exploration of both present and past voices and movements. From his unique vantage point as musician, artist, and writer, Banfield examines a variety of influences in the music world, from 17th-century composer/violinist Chevalier de St. Georges to jazz giant Duke Ellington; from producer Quincy Jones to pop legend Prince. Using a wide-angle lens, Banfield effectively draws from the academic world of cultural studies as well as a plethora of popular culture examples, including contemporary Black American composers, films, and television shows.

An Introduction to Political Science Macmillan College

As a palliative medicine physician, you struggle every day to make your patients as comfortable as possible in the face of physically and psychologically devastating circumstances. This new reference equips you with all of today's best international approaches for meeting these complex and multifaceted challenges. In print and online, it brings you the world's most comprehensive, state-of-the-art coverage of your field. You'll find the answers to the most difficult questions you face every day...so you can provide every patient with the relief they need. Equips you to provide today's most effective palliation for terminal malignant diseases • end-stage renal, cardiovascular, respiratory, and liver disorders • progressive neurological conditions • and HIV/AIDS. Covers your complete range of clinical challenges with in-depth discussions of patient evaluation and outcome assessment • ethical issues • communication • cultural and psychosocial issues • research in palliative medicine • principles of drug use • symptom control • nutrition • disease-modifying palliation • rehabilitation • and special interventions. Helps you implement unparalleled expertise and global best practices with advice from a matchless international author team. Provides in-depth guidance on meeting the specific needs of pediatric and geriatric patients. Assists you in skillfully navigating professional issues in palliative medicine such as education and training • administration • and the role of allied health professionals. Includes just enough pathophysiology so you can understand the "whys" of effective decision making, as well as the "how tos." Offers a user-friendly, full-color layout for ease of reference, including color-coded topic areas, mini chapter outlines, decision trees, and treatment algorithms. Comes with access to the complete contents of the book online, for convenient, rapid consultation from any computer.

Speech & Language Processing CRC Press

News Professor Cheng-Few Lee ranks #1 based on his publications in the 26 core finance journals, and #163 based on publications in the 7 leading finance journals (Source: Most Prolific Authors in the Finance Literature: 1959–2008 by Jean L Heck and Philip L Cooley (Saint Joseph's University and Trinity University). Based on the authors' extensive teaching, research and business experiences, this book reviews, discusses and integrates both theoretical and practical aspects of financial planning and forecasting. The book is divided into six parts: Information and Methodology for Financial Analysis, Alternative Finance Theories and Their Application, Capital Budgeting and

Leasing Decisions, Corporate Policies and Their Interrelationships, Short-term Financial Decisions, Financial Planning and Forecasting, and Overview. The theories used in this book are pre-Modigliani–Miller Theorem, Modigliani–Miller Theorem, Capital Asset Pricing Model and Arbitrage Pricing Theory, and Option Pricing Theory. The interrelationships among these theories are carefully analyzed. Meaningful real-world examples of using these theories are discussed step-by-step, with relevant data and methodology. Alternative planning and forecasting models are also used to show how the interdisciplinary approach is helpful in making meaningful financial management decisions. [Literature from Around the World](#) Control and Managing Interest Rate Risk

"[This is] a textbook that offers students a good introduction to the science of politics while emphasizing the moral, empirical, and prudential dimensions of politics." —Prosper Bernard, Jr., College of Staten Island This updated Sixth Edition of The Challenge of Politics enables students to see how the subfields of political science converge around a set of crucial questions, such as "Can we as citizens and students articulate and defend a view of the good political life and its guiding political values?" "Can we bring political wisdom to bear on judgments about politics and public issues?" and "Can we develop a science of politics to help us understand significant political phenomena—the empirical realities of politics?" Balancing lessons of classic and contemporary theory with contemporary politics and empirical study, the book equips students with the tools they need to explore the impact of philosophy and ideology, recognize major forms of government, evaluate empirical findings, and understand how policy issues directly affect people’s lives. The updated Sixth Edition includes new material on the 2016 presidential elections, the role of social media in politics, and an expanded discussion on the rise of populist movements. Give your students the SAGE edge! SAGE edge offers a robust online environment featuring an impressive array of free tools and resources for review, study, and further exploration, keeping both instructors and students on the cutting edge of teaching and learning. Learn more at edge.sagepub.com/simon6e.

Mobility, Labour Migration and Border Controls in Asia World Scientific Publishing Company Award-winning scholar Fred Kleiner brings art, architecture and culture to life with GARDNER'S ART THROUGH THE AGES: THE WESTERN PERSPECTIVE, VOLUME II. Backed by 45 art history experts, Kleiner delivers his signature storytelling in this 16th edition alongside 113 new reproduction images and more that have been upgraded for color-fidelity and clarity. To elevate the experience for learners, MindTap offers an interactive ebook with zoomable images, nearly 300 videos, an audio pronunciation guide, image flashcards, quizzes, and Google Earth coordinates of significant works. MindTap also allows you to customize your course with your own images, videos and activities, and use instructor resources to simplify planning. More than a text, GARDNER'S ART THROUGH THE AGES: THE WESTERN PERSPECTIVE has been inspiring a love for art and its history for more than 85 years. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[Number Theory in Science and Communication](#) Springer Science & Business Media Introduction to Optics is now available in a re-issued edition from Cambridge University Press. Designed to offer a comprehensive and engaging introduction to intermediate and upper level undergraduate physics and engineering students, this text also allows instructors to select specialized content to suit individual curricular needs and goals. Specific features of the text, in terms of coverage beyond traditional areas, include extensive use of matrices in dealing with ray tracing, polarization, and multiple thin-film interference; three chapters devoted to lasers; a separate chapter on the optics of the eye; and individual chapters on holography, coherence, fiber optics, interferometry, Fourier optics, nonlinear optics, and Fresnel equations.

Essays of a Musician Writing in a Post-album Age Cengage Learning A major textbook on strategic management which not only deals fully with the theoretical aspects of corporate planning, but also provides practical guidance on implementation. Now completely revised and updated this book is particularly suitable for the student or manager who needs to relate strategic thinking to current practice. The format has been enlarged and the interior of the book re-designed. The fourth edition treats both analytical and behavioural aspects of planning in depth. Strategic analysis is covered in particular detail, with examples reporting proven - and often original - applications of these theories. Six major case studies have been added to illustrate the application of strategic management theory in practice and a chapter discusses the impact of new approaches to strategy. With comprehensive reference lists, and a guide to research resources, this volume will prove invaluable to researchers and advanced students as well as to the practising manager. A lecturer's resource is available on the BH website which contains a Powerpoint presentation, additional case studies and notes and exercises for seminar use. Details are available by emailing bhmarketing@repp.co.uk 'a highly commendable piece of work, a true compendium for the practitioner and student of planning.' - Journal of Strategic Change (review of the third edition)

[Study Guide + Working Papers](#) Scarecrow Press Presents a collection of children's literature from Europe, Asia, and the Middle East. *With Applications in Cryptography, Physics, Digital Information, Computing, and Self-Similarity* Routledge

This book compares and contrasts the principles and practices of rule-based machine translation (RBMT), statistical machine translation (SMT), and example-based machine translation (EBMT). Presenting numerous examples, the text introduces language divergence as the fundamental challenge to machine translation, emphasizes and works out word alignment, explores IBM models of machine translation, covers the mathematics of phrase-based SMT, provides complete walk-throughs of the working of interlingua-based and transfer-based RBMT, and analyzes EBMT, showing how translation parts can be extracted and recombined to automatically translate a new input.