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Chaitanya Patil C is a general purpose, imperative, structure oriented high level programming language developed at the Bell Laboratories in 1972 by Dennis Ritchie. Many of its principles and ideas were taken from the earlier language B. It is very easy, simple and powerful programming language.

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Natural Language Processing and Chinese Computing

First CCF Conference, NLPCC 2012, Beijing, China, October 31-November 5, 2012. Proceedings

Springer This book constitutes the refereed proceedings of the First CCF Conference, NLPCC 2012, held in Beijing, China, during October/November, 2012. The 43 revised full papers presented were carefully reviewed and selected from 151 submissions. The papers are organized in topical sections on applications on language computing; fundamentals on language computing; machine translation and multi-lingual information access; NLP for search, ads and social networks; question answering and Web mining.

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Load Balancing in Parallel Computers

Theory and Practice

Springer Science & Business Media Load Balancing in Parallel Computers: Theory and Practice is about the essential software technique of load balancing in distributed memory message-passing parallel computers, also called multicomputers. Each processor has its own address space and has to communicate with other processors by message passing. In general, a direct, point-to-point interconnection network is used for the communications. Many commercial parallel computers are of this class, including the Intel Paragon, the Thinking Machine CM-5, and the IBM SP2. Load Balancing in Parallel Computers: Theory and Practice presents a comprehensive treatment of the subject using rigorous mathematical analyses and practical implementations. The focus is on nearest-neighbor load balancing methods in which every processor at every step is restricted to balancing its workload with its direct neighbours only. Nearest-neighbor methods are iterative in nature because a global balanced state can be reached through processors' successive local operations. Since nearest-neighbor methods have a relatively relaxed requirement for the spread of local load information across the system, they are flexible in terms of allowing one to control the balancing quality, effective for preserving communication locality, and can be easily scaled in parallel computers with a direct communication network. Load Balancing in Parallel Computers: Theory and Practice serves as an excellent reference source and may be used as a text for advanced courses on the subject.

Reactor Safety Study

An Assessment of Accident Risks in U.S. Commercial Nuclear Power Plants

Public Waters

Lessons from Wyoming for the American West

University of New Mexico Press Wyoming's colorful story of water management illuminates the powerful forces that impact water use in the rural American West. The state's rich history of managing this valuable natural resource provides insights and lessons for the twenty-first-century American West as it faces drought and climate change. Public Waters shows how, as popular hopes and dreams meet tough terrain, a central idea that has historically structured water management can guide water policy for Western states today. Drawing on forty years as a journalist with training in water law and economics, Anne MacKinnon paints a lively picture of the arcane twists in the notable record of water law in Wyoming. She maintains that other Western states should examine how local people control water and that states must draw on historical understandings of water as a public resource to find effective approaches to essential water issues in the West.

Global Problems, Global Solutions

Prospects for a Better World

SAGE Publications Global Problems, Global Solutions: Prospects for a Better World by JoAnn Chirico approaches social problems from a global perspective with an emphasis on using one's sociological imagination. Perfect for instructors who involve students in research, this text connects problems borne by individuals to regional, global, and historical forces, and stresses the importance of evidence in forming opinions and policies addressing social issues. The book introduces readers to the complexities of the major problems that confront us today such as violent conflict, poverty, climate change, human trafficking and other issues that we encounter in our lives. It book concludes with a chapter on politics and government, underscoring the need for good governance at all levels–and cooperation among many layers of government–to build a better world.

Non-Interpretive Skills for Radiology: Case Review E-Book

Elsevier Health Sciences The only review book of its kind, David M. Yousem's Non-Interpretive Skills prepares you for exam questions on every aspect of radiology that does not involve reading and interpreting images: communication, quality and safety, ethics, leadership, data management, business principles, analytics, statistics, and more. Ideal for residents and practitioners alike, this unique study tool contains hundreds of questions, answers, and rationales that cover the entire range of NIS content on the credentialing boards and MOC exams. Your exam preparation isn't complete without it! Exclusive test preparation on every NIS area, including business, ethics, safety, quality improvement, resuscitation techniques, and medications used by radiologists. 600 multiple-choice questions with answers and rationales provide a practical and solid foundation for exams and clinical practice. Author David M. Yousem, MD, MBA and his colleagues at the Johns Hopkins Department of Radiology share years of expertise in radiology education, quality assurance, and business topics. A single, easy-to-use source for thorough review of the NIS topics you'll encounter on exams and in your radiology practice.

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Modern Mathematical Statistics with Applications

Springer Science & Business Media Modern Mathematical Statistics with Applications, Second Edition strikes a balance between mathematical foundations and statistical practice. In keeping with the recommendation that every math student should study statistics and probability with an emphasis on data analysis, accomplished authors Jay Devore and Kenneth Berk make statistical concepts and methods clear and relevant through careful explanations and a broad range of applications involving real data. The main focus of the book is on presenting and illustrating methods of inferential statistics that are useful in research. It begins with a chapter on descriptive statistics that immediately exposes the reader to real data. The next six chapters develop the probability material that bridges the gap between descriptive and inferential statistics. Point estimation, inferences based on statistical intervals, and hypothesis testing are then introduced in the next three chapters. The remainder of the book explores the use of this methodology in a variety of more complex settings. This edition includes a plethora of new exercises, a number of which are similar to what would be encountered on the actuarial exams that cover probability and statistics. Representative applications include investigating whether the average tip percentage in a particular restaurant exceeds the standard 15%, considering whether the flavor and aroma of Champagne are affected by bottle temperature or type of pour, modeling the relationship between college graduation rate and average SAT score, and assessing the likelihood of O-ring failure in space shuttle launches as related to launch temperature.

Campbell's Operative Orthopaedics: Adult Spine Surgery E-Book

Elsevier Health Sciences Now available for the first time - a convenient eBook on adult spine surgery from Campbell's Operative Orthopaedics, edited by Drs. S. Terry Canale and James H. Beaty! Load it onto your mobile device or laptop for quick access to world-renowned guidance on adult spine surgery from the experts at the Campbell Clinic. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Achieve optimal outcomes in adult spine surgery with practical, high-yield chapters on Anatomy and Approaches • Fractures and Dislocations • Arthrodesis • LBP / Intervertebral Discs • Infections • and Other Disorders. Vividly visualize how to proceed with 3 surgical videos, plus a wealth of completely new step-by-step illustrations and photos especially commissioned for this edition. Depend on the authority of Campbell's Operative Orthopaedics - the most trusted and widely used resource in orthopaedic surgery, authored by Drs. S. Terry Canale, James H. Beaty, and 5 other authorities from the world-renowned Campbell Clinic. Access additional high-interest areas of Campbell's with these other mini eBooks: Reconstructive Procedures of the Knee: 978-0-323-10135-6 Sports Injuries of the Shoulder and Elbow: 978-0-323-10136-3 Hand Surgery: 978-0-323-10138-7

International Pharmaceutical Product Registration, Second Edition

CRC Press Discover the latest ICH news from international experts in the pharmaceutical industry, academia, and regulatory bodies. The recent International Conference on Harmonisation (ICH) revisions of regulatory requirements for quality, nonclinical, and clinical pharmaceutical product registration are the focus of this timely update. This cutting-edge resource includes the major headings in the modular structure of the Common Technical Document (CTD), which is now the agreed format for product information submission. The format, specification, and technical requirements of the e-CTD, the electronic version of CTD, are also thoroughly discussed. The book is organized into six highly practical

segments: Part I: CTD, eCTD, Module 1, and Environmental Risk Assessment Part II: CTD Summaries Part III: Quality Topics Part IV: Nonclinical Topics Part V: Clinical Topics Part VI: Other Topics (including drug-device combination products) This text is a must-have for those in the pharmaceutical industry determining regulatory requirements for the major world markets in Europe, the US, Canada, and Japan.

G Protein Signaling

Methods and Protocols

Springer Science & Business Media Alan V. Smrcka presents a collection of cutting-edge methods for investigating G protein signaling from a variety of perspectives ranging from in vitro biochemistry to whole animal studies. Among the readily reproducible techniques presented are those for the purification of G proteins and effectors enzymes, assays of these purified G proteins and effector enzymes, and for the study of G proteins interactions with effectors in intact cells. Additional methods are provided for assaying G protein coupled receptor structure, function, and localization, and for studying the physiological roles for endogenous G proteins.

Report

Green Catalysis and Reaction Engineering

An Integrated Approach with Industrial Case Studies

Cambridge University Press Discover tools to perform Life Cycle Analysis (LCA) and develop sustainable chemical technologies in this valuable guide for chemists, engineers and practitioners. Tackling one of the key challenges of modern industrial chemical engineering, this book introduces tools to assess the environmental footprint and economics of key chemical processes that make the ingredients of everyday products such as plastics, synthetic fibers, detergents and fuels. Describing diverse industrial processes in detail, it provides process flow diagrams including raw material sourcing, catalytic reactors, separation units, process equipment and recycle streams. The book clearly explains elements of LCA and how various software tools, available in the public domain and commercially, can be used to perform LCA. Supported by real-world practical examples and case studies provided by industrial and academic chemists and chemical engineers, this is an essential tool for readers involved in implementing LCA, and developing next-generation sustainable chemical technologies.

Assessment of Treatment Plant Performance and Water Quality Data: A Guide for Students, Researchers and Practitioners

IWA Publishing This book presents the basic principles for evaluating water quality and treatment plant performance in a clear, innovative and didactic way, using a combined approach that involves the interpretation of monitoring data associated with (i) the basic processes that take place in water bodies and in water and wastewater treatment plants and (ii) data management and statistical calculations to allow a deep interpretation of the data. This book is problem-oriented and works from practice to theory, covering most of the information you will need, such as (a) obtaining flow data and working with the concept of loading, (b) organizing sampling programmes and measurements, (c) connecting laboratory analysis to data management, (e) using numerical and graphical methods for describing monitoring data (descriptive statistics), (f) understanding and reporting removal efficiencies, (g) recognizing symmetry and asymmetry in monitoring data (normal and log-normal distributions), (h) evaluating compliance with targets and regulatory standards for effluents and water bodies, (i) making comparisons with the monitoring data (tests of hypothesis), (j) understanding the relationship between monitoring variables (correlation and regression analysis), (k) making water and mass balances, (l) understanding the different loading rates applied to treatment units, (m) learning the principles of reaction kinetics

and reactor hydraulics and (n) performing calibration and verification of models. The major concepts are illustrated by 92 fully worked-out examples, which are supported by 75 freely-downloadable Excel spreadsheets. Each chapter concludes with a checklist for your report. If you are a student, researcher or practitioner planning to use or already using treatment plant and water quality monitoring data, then this book is for you! 75 Excel spreadsheets are available to download.

Introduction to Health and Safety at Work

The Handbook for the Nebosh National General Certificate

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Educart CBSE Social Science Sample Question Papers For Class 10 (For March 2020 Exam)

Strictly based on 20th September 2019 CBSE Sample Paper

Educart NEW VERSION: Available now based on the 20th September 2019 CBSE Sample Paper. This Social Science book is extra special as it was prepared by a CBSE author who knows about CBSE markings, official paper setting and CBSE Class 10th Exam patterns more than any other CBSE expert in the country. We were lucky to have him prepare the papers of this Social Science book. It's been bought by more than 20,000+ students since it came out in October 2019 and is our best-seller already. This Book Covers the following: - 10 Practice Papers (solved) - 4 Self-assessment papers - CBSE September 2019 Sample Paper - CBSE March 2019 Board Paper (solved by topper) - CBSE 2018 Topper Answer Sheet Extra value items Added in this Book: - Utilising 15 minute reading time just before the exam (by CBSE topper) - Structuring your Social Science Exam 3 hours smartly (by CBSE

Markers) - 2020 marking scheme points (value points) underlined in each sample paper solution (CBSE markers look for these key points in your answers to allot full Marks). - The geometry section diagrams are accurately drawn to clear your understanding of all kinds of geometry questions that can appear in the upcoming February 2020 exam. A must buy book as vouched by many experts in Social Science!

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Probability with STEM Applications

John Wiley & Sons Probability with STEM Applications, Third Edition, is an accessible and well-balanced introduction to post-calculus applied probability. Integrating foundational mathematical theory and the application of probability in the real world, this leading textbook engages students with unique problem scenarios and more than 1100 exercises of varying levels of difficulty. The text uses a hands-on, software-oriented approach to the subject of probability. MATLAB and R examples and exercises — complemented by computer code that enables students to create their own simulations — demonstrate the importance of software to solve problems that cannot be obtained analytically. Revised and updated throughout, the textbook covers random variables and probability distributions, the basics of statistical inference, Markov chains, stochastic processes, signal processing, and more. This new edition is the perfect text for both year-long and single-semester mathematics and statistics courses, student engineers and scientists, and business and social science majors wanting to learn the quantitative aspects of their disciplines.

Estimation of Flexibility Potentials in Active Distribution Networks

BoD – Books on Demand The feasible operation region (FOR) allows capturing the aggregated flexibility potential of DER within radial distribution networks, while respecting the technical restrictions of both plants and grid. This thesis proposes a novel approach to compute the FOR, the Linear Flexibility Aggregation (LFA) method, based on the solution of a sequence of linear OPF. With the objective of reducing the computation time, without compromising the accuracy of the assessed FOR. It is shown that the proposed method provides a considerable reduction in processing time compared to similar methods, e.g. Monte-Carlo simulations or non-linear OPF-based methods.

Human Motion - Understanding, Modeling, Capture and Animation

Second Workshop, HumanMotion 2007, Rio de Janeiro, Brazil, October 20, 2007, Proceedings

Springer This book constitutes the refereed proceedings of the Second Workshop on Human Motion, HumanMotion 2007, held in Rio de Janeiro, Brazil October 2007 in conjunction with ICCV 2007. The 22 revised full papers presented were carefully reviewed and selected from 38 submissions. The papers are organized in topical sections on motion capture and pose estimation, body and limb tracking and segmentation and activity recognition.

Standard Handbook of Petroleum and Natural Gas Engineering

Elsevier This new edition of the Standard Handbook of Petroleum and Natural Gas Engineering provides you with the best, state-of-the-art coverage for every aspect of petroleum and natural gas engineering. With thousands of illustrations and 1,600 information-packed pages, this text is a handy and valuable reference. Written by over a dozen leading industry experts and academics, the Standard Handbook of Petroleum and Natural Gas Engineering provides the best, most comprehensive source of petroleum engineering information available. Now in an easy-to-use single volume format, this classic is one of the true "must haves" in any petroleum or natural gas engineer's library. * A classic for the oil and gas industry for over 65 years! * A comprehensive source for the newest developments, advances, and procedures in the petrochemical industry, covering everything from drilling and production to the economics of the oil patch. * Everything you need - all the facts, data, equipment, performance, and principles of petroleum engineering, information not found anywhere else. * A desktop reference for all kinds of calculations, tables, and equations that engineers need on the rig or in the office. * A time and money saver on procedural and equipment alternatives, application techniques, and new approaches to problems.

Pharmaceutical Medicine and Translational Clinical Research

Academic Press Pharmaceutical Medicine and Translational Clinical Research covers clinical testing of medicines and the translation of pharmaceutical drug research into new medicines, also focusing on the need to understand the safety profile of medicine and the benefit-risk balance. Pharmacoeconomics and the social impact of healthcare on patients and public health are also featured. It is written in a clear and straightforward manner to enable rapid review and assimilation of complex information and contains reader-friendly features. As a greater understanding of these aspects is critical for students in the areas of pharmaceutical medicine, clinical research, pharmacology and pharmacy, as well as professionals working in the pharmaceutical industry, this book is an ideal resource. Includes detailed coverage of current trends and key topics in pharmaceutical medicine, including biosimilars, biobetters, super generics, and Provides a comprehensive look at current and important aspects of the science and regulation of drug and biologics discovery

Robotics and Automation Handbook

CRC Press As the capability and utility of robots has increased dramatically with new technology, robotic systems can perform tasks that are physically dangerous for humans, repetitive in nature, or require increased accuracy, precision, and sterile conditions to radically minimize human error. The Robotics and Automation Handbook addresses the major aspects of designing, fabricating, and enabling robotic systems and their various applications. It presents kinetic and dynamic methods for analyzing robotic systems, considering factors such as force and torque. From these analyses, the book develops several controls approaches, including servo actuation, hybrid control, and trajectory planning. Design aspects include determining specifications for a robot, determining its configuration, and utilizing sensors and actuators. The featured applications focus on how the specific difficulties are overcome in the development of the robotic system. With the ability to increase human safety and precision in applications ranging from handling hazardous materials and exploring extreme environments to manufacturing and medicine, the uses for robots are growing steadily. The Robotics and Automation Handbook provides a solid foundation for engineers and scientists interested in designing, fabricating, or utilizing robotic systems.

Proceedings