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DESIGN AND ANALYSIS OF ALGORITHMS Vikas Publishing House

There Has Been A Rapidly Growing Demand For Professional Managerial Manpower Over The Past Two Decades, As A Result Of Which Most Indian Universities And Management Institutes Had To Introduce Degree And Diploma Courses Right At The Undergraduate Level, With Business Economics As A Separate Paper. To Meet The Requirement Of The Students Who Take On Economics For Business For The First Time, The Subject Matter Needs To Be Within Their Comprehension Level That At The Same Time Lays A Strong Foundation. This Book Meets This Requirement By Presenting A Short, Simpler And Restructured Version Of The Author S Popular Book Managerial Economics. The Book Is As Per The Model Syllabus Of Business Economics Recommended By The Ugc For Bba Students, With Additional Topics For The Sake Of Completeness And To Cover The Syllabi Of A Large Number Of Universities. The Book Also Caters To Bbe, B Com, And Pgdbm Courses Run By The Indian Universities And Management Institutes. The Book Differs From The Author S Managerial Economics In Its Scope Of The Subject Matter And The Level Of Analytical Treatment, Inasmuch As Here Only The Microeconomic Aspects Of Managerial Economics Are Covered.

Programming in C: A Practical Approach Vikas Publishing House

Bayesian methods are a powerful tool in many areas of science and engineering, especially statistical physics, medical sciences, electrical engineering, and information sciences. They are also ideal for civil engineering applications, given the numerous types of modeling and parametric uncertainty in civil engineering problems. For example, earthquake ground motion cannot be predetermined at the structural design stage. Complete wind pressure profiles are difficult to measure under operating conditions. Material properties can be difficult to determine to a very precise level – especially concrete, rock, and soil. For air quality prediction, it is difficult to measure the hourly/daily pollutants generated by cars and factories within the area of concern. It is also difficult to obtain the updated air quality information of the surrounding cities. Furthermore, the meteorological conditions of the day for prediction are also uncertain. These are just some of the civil engineering examples to which Bayesian probabilistic methods are applicable. Familiarizes readers with the latest developments in the field Includes identification problems for both dynamic and static systems Addresses challenging civil engineering problems such as modal/model updating Presents methods applicable to mechanical and aerospace engineering Gives engineers and engineering students a concrete sense of implementation Covers real-world case studies in civil engineering and beyond, such as: structural health monitoring seismic attenuation finite-element model updating hydraulic jump artificial neural network for damage detection air quality prediction Includes other insightful daily-life examples Companion website with MATLAB code downloads for independent practice Written by a leading expert in the use of Bayesian methods for civil engineering problems This book is ideal for researchers and graduate students in civil and mechanical engineering or applied probability and statistics. Practicing engineers interested in the application of statistical methods to solve engineering problems will also find this to be a valuable text. MATLAB code and lecture materials for instructors available at <http://www.wiley.com/go/yuen>

Managerial Economics (GBTU) Harpercollins College Division

This Book Presents A Practical-Oriented, Sound, Modularized Coverage Of Fundamental Topics Of Basic Electrical Engineering, Network Analysis & Network Theorems, Electromagnetism & Magnetic Circuit, Alternating Current & Voltages, Electrical Measurement & Measuring Instrument And Electric Machines. Salient Features: # Clarification Of Basic Concepts # Several Solved Examples With Detailed Explanation # At The End Of Chapters, There Are Descriptive And Numerical Unsolved Problems # Written In Very Simple Language And Suitable For Self-Study # Step-By-Step Procedures Given For Solving Numerical

Div, Grad, Curl, and All that Roberts & Company

Industrial Management has been specifically written and designed for BTech students with special emphasis on Gautam Buddh Technical University (GBTU) and Mahamaya Technical University (MMTU). The book addresses the core theories of industrial management to help students apply their knowledge in future managerial decision making. The presentation of this book has been kept simple and lucid so that theories and their possible applications are easily comprehensible to the students. Adequate industry examples make this an enjoyable read.

Introduction to Engineering Mathematics Vol-1 (GBTU) Elsevier

The application of mathematical concepts has proven to be beneficial within a number of different industries. In particular, these concepts have created significant developments in the engineering field. Mathematical Concepts and Applications in Mechanical Engineering and Mechatronics is an authoritative reference source for the latest scholarly research on the use of applied mathematics to enhance the current trends and productivity in mechanical engineering. Highlighting theoretical foundations, real-world cases, and future directions, this book is ideally designed for researchers, practitioners, professionals, and students of mechatronics and mechanical engineering.

Cambridge Checkpoint English Coursebook 9 GRIN Verlag

The goal of this book is to make a link between fundamental research in the field of cognitive neurosciences, which now benefits from a better knowledge of the neural foundations of cerebral processing, and its clinical application, especially in neurosurgery – itself able to provide new insights into brain organization. The anatomical bases are presented, advances and limitations of the different methods of functional cerebral mapping are discussed, updated models of sensorimotor, visuospatial, language, memory, emotional, and executive functions are explained in detail. In the light of these data, new strategies of surgical management of cerebral lesions are proposed, with an optimization of the benefit – risk ratio of surgery. Finally, perspectives about brain connectivity and plasticity are discussed on the basis of translational studies involving serial functional neuroimaging, intraoperative cortico-subcortical electrical mapping, and biomathematical modeling of interactions between parallel distributed neural networks.

Springer Science & Business Media

Programming in C: A Practical Approach has a perfect blend of theory as well as practical knowledge. The presentation has been done in such a way that it helps the readers to learn the concepts through practice and programming.

Energy Cambridge University Press

This well-known book on the subject has stood the test of time for the last 35 years because of the quality of presentation of its text. It has become students ' favourite as it provides the latest theories, thoughts and applications on the subject with timely revisions to stay up-to-date all the time. Since its first edition, it has provided complete, comprehensive and authentic text on micro and macro aspects of managerial economics. It has now been revised thoroughly with added interpretations of economic theories and concepts and their application to managerial decisions. NEW IN THE EIGHTH EDITION • Summary at the end of each chapter for quick recap • One complete new chapter; several new sections Some New Important Sections • ' Derivation of Demand Curve with Changing Marginal Utility of Money ', and ' Why Demand Curve Slopes Downward to Right ' • ' Expansion Path of Production ' and ' Equilibrium of Multi-plant Monopoly ' • ' Theory of Interest Rate Determination ' and ' Monetary Sector Equilibrium ' • ' Current Foreign Trade Policy of India ' and ' Current Role of the IMF ' • ' Monetary Policy ' and ' Current Scenario of CSR in India '

Encyclopaedia of Engineering Chemistry Vikas Publishing House

The Cambridge Checkpoint English suite provides a comprehensive, structured resource which covers the Secondary 1 framework for English and seamlessly progresses into the next key stage (covered by our Cambridge IGCSE® First Language English series). A lively, colourful Coursebook for Stage 9, which includes activities to develop Reading and Writing skills, with integrated Speaking and Listening tasks. It contains 12 themed units

with a full range of stimulus materials, including a balance of fiction and non-fiction from around the world.

Essentials of Business Economics Laxmi Publications

The fast multipole method is one of the most important algorithms in computing developed in the 20th century. Along with the fast multipole method, the boundary element method (BEM) has also emerged as a powerful method for modeling large-scale problems. BEM models with millions of unknowns on the boundary can now be solved on desktop computers using the fast multipole BEM. This is the first book on the fast multipole BEM, which brings together the classical theories in BEM formulations and the recent development of the fast multipole method. Two- and three-dimensional potential, elastostatic, Stokes flow, and acoustic wave problems are covered, supplemented with exercise problems and computer source codes. Applications in modeling nanocomposite materials, bio-materials, fuel cells, acoustic waves, and image-based simulations are demonstrated to show the potential of the fast multipole BEM. Enables students, researchers, and engineers to learn the BEM and fast multipole method from a single source.

AFURAKA/AFURAITKAIT - The Origin of the term 'Africa' New Age International

Leverage the power of PostgreSQL 10 to design, administer and maintain a high-performance database solution Key Features Obtain optimal PostgreSQL 10 database performance, ranging from initial design to routine maintenance Fine tune the performance of your queries and avoid the common pitfalls that can slow your system down Contains tips and tricks on scaling successful database installations, and ensuring a highly available PostgreSQL solution Book Description PostgreSQL database servers have a common set of problems that they encounter as their usage gets heavier and requirements get more demanding. Peek into the future of your PostgreSQL 10 database's problems today. Know the warning signs to look for and how to avoid the most common issues before they even happen. Surprisingly, most PostgreSQL database applications evolve in the same way--choose the right hardware, tune the operating system and server memory use, optimize queries against the database and CPUs with the right indexes, and monitor every layer, from hardware to queries, using tools from inside and outside PostgreSQL. Also, using monitoring insight, PostgreSQL database applications continuously rework the design and configuration. On reaching the limits of a single server, they break things up; connection pooling, caching, partitioning, replication, and parallel queries can all help handle increasing database workloads. By the end of this book, you will have all the knowledge you need to design, run, and manage your PostgreSQL solution while ensuring high performance and high availability What you will learn Learn best practices for scaling PostgreSQL 10 installations Discover the best hardware for developing high-performance PostgreSQL applications Benchmark your whole system - from hardware to application Learn by real examples how server parameters impact performance Discover PostgreSQL 10 features for partitioning and parallel query Monitor your server, both inside and outside the database Design and implement a good replication system on PostgreSQL 10 Who this book is for This book is designed for database administrators and PostgreSQL architects who already use or plan to exploit the features of PostgreSQL 10 to design and maintain a high-performance PostgreSQL database. A working knowledge of SQL, and some experience with PostgreSQL will be helpful in getting the most out of this book.

DFIG-based Wind Power Conversion System Connected to Grid Pearson Education India

Managing Organizations (For GBTU) Vikas Publishing House

Natural Gas Monthly Report Pearson Education India

This book provides a complete and comprehensive coverage of the managerial economics syllabus of Gautam Buddha Technical University. It includes both, the basic microeconomics theories and some important aspects of macroeconomics including inflation, growth and business cycles. The subject matter is presented in a precise and lucid manner. Economic laws and theories have been explained and illustrated by applying graphical and algebraic tools of analysis and also illustrated with appropriate real life examples. Review questions have been provided at the end of each chapter for students to test their own understanding of managerial economics.

Fast Multipole Boundary Element Method Cambridge University Press

This book is divided into four parts. The first part, Preliminaries, begins by introducing the basic theme of the book. It provides an overview of the current status of water resources utilization, the likely scenario of future demands, and advantages and disadvantages of systems techniques. An understanding of how the hydrological data are measured and processed is important before undertaking any analysis. The discussion is extended to emerging techniques, such as Remote Sensing, GIS, Artificial Neural Networks, and Expert Systems. The statistical tools for data analysis including commonly used probability distributions, parameter estimation, regression and correlation, frequency analysis, and time-series analysis are discussed in a separate chapter. Part 2 Decision Making, is a bouquet of techniques organized in 4 chapters. After discussing optimization and simulation, the techniques of economic analysis are covered. Recently, environmental and social aspects, and rehabilitation and resettlement of project-affected people have come to occupy a central stage in water resources management and any good book is incomplete unless these topics are adequately covered. The concept of rational decision making along with risk, reliability, and uncertainty aspects form subject matter of a chapter. With these analytical tools, the practitioner is well equipped to take a rational decision for water resources utilization. Part 3 deals with Water Resources Planning and Development. This part discusses the concepts of planning, the planning process, integrated planning, public involvement, and reservoir sizing. The last part focuses on Systems Operation and Management. After a resource is developed, it is essential to manage it in the best possible way. Many dams around the world are losing some storage capacity every year due to sedimentation and therefore, the assessment and management of reservoir sedimentation is described in details. No analysis of water resources systems is complete without consideration of water quality. A river basin is the natural unit in which water occurs. The final chapter discusses various issues related to holistic management of a river basin.

IT Infrastructure and Management (For the GBTU and MMTU) Vikas Publishing House

This book is meant for students of accounting, management and business studies. It not only describes the principles, procedures and techniques of management accounting, but also explains and analyses the core concepts that have driven the development of the subject for decades. The book is a perfect blend of conceptual and practical approaches to accounting. NEW IN THIS EDITION • Completely revised and updated • New chapters on strategic management accounting, product costing, and service costing • Coverage of total quality management (TQM), just-in-time (JIT), life cycle costing, and Kaizen costing • Worked out solutions to problems and latest professional examination questions

A Text Book of Engineering Mathematics Elsevier

Complete CAE is a course for the 2008 updated CAE exam. Informed by the Cambridge Learner Corpus and providing a complete CAE exam paper specially prepared by Cambridge ESOL, it is the most authentic exam preparation course available. This topic-based course covers every part of the CAE exam in detail, ensuring that students are fully equipped to tackle each part of every paper. The Class Audio CDs contain all the audio for the Students' Book.

PostgreSQL 10 High Performance Grove's Dictionaries

This well organized text provides the design techniques of algorithms in a simple and straight forward manner. It describes the complete development of various algorithms along with their pseudo-codes in order to have an understanding of their applications. The book begins with a description of the fundamental concepts and basic design techniques of algorithms. Gradually, it introduces more complex and advanced topics such as dynamic programming, backtracking and various algorithms related to graph data structure. Finally, the text elaborates on NP-hard, matrix operations and sorting network. Primarily designed as a text for undergraduate students of Computer Science and

Engineering and Information Technology (B.Tech., Computer Science, B.Tech. IT) and postgraduate students of Computer Applications (MCA), the book would also be quite useful to postgraduate students of Computer Science and IT (M.Sc., Computer Science; M.Sc., IT). New to this Second Edition 1. A new section on Characteristics of Algorithms (Section 1.3) has been added 2. Five new sections on Insertion Sort (Section 2.2), Bubble Sort (Section 2.3), Selection Sort (Section 2.4), Shell Sort/Diminishing Increment Sort/Comb Sort (Section 2.5) and Merge Sort (Section 2.6) have been included 3. A new chapter on Divide and Conquer (Chapter 5) has also been incorporated

A Text Book of Hydrology New Age International

AFURAKA/AFURAITKAIT - The Origin of the term 'Africa' Numerous scholars over the centuries have attempted to delineate the etymological origins of the name Africa. However, they have failed because of a lack of understanding of Afurakani/Afuraitkaitnit (African) Ancestral Religion, cosmology and culture. Odwirafo Kwesi Ra Nehem Ptah Akhan is the first to elucidate and publish the actual etymological origins of the name Africa demonstrating the name to be derived linguistically and cosmologically from Afuraka/Afuraitkait – the original male and female aspects of the name. This includes showing the actual term written by our Afurakani/Afuraitkaitnit (African) Ancestresses and Ancestors in the medutu (hieroglyphs) of Ancient Kamit (Ancient Egypt) – a discovery which heretofore had never been accomplished. Afuraka/Afuraitkait is an indigenous designation for the continent first propounded by Afurakanu/Afuraitkaitnut (Africans~Black People) prior to the existence of any other people on Earth. The myths put forward by eurasians seeking to locate the origins of the name Africa outside of the continent of Afuraka/Afuraitkait (Africa) and in the greek, latin, sanskrit, arabic, phoenician and other languages, have been shown in this article series to be a deliberate attempt by the non-Afurakanu/non-Afuraitkaitnut (non-Africans/non-Blacks) to misinform Afurakanu/Afuraitkaitnut (Africans~Black People) and dispossess us of our heritage and culture. This is nothing new. We have been and will continue to be at war - culturally, intellectually, spiritually and physically - with the whites and their offspring, their culture and their pseudo-religions (inclusive of all forms of christianity, islam, judaism/hebrewism, hinduism, buddhism, taoism, pseudo-esotericism, etc.) until the whites and their offspring no longer exist in the world. We will always meet the challenge and will emerge triumphant on every level. The proper etymology of the term Africa was first given to us in the 12990s (1990s) by our Nananom Nsamanfo – Akan term for our Honored or Spiritually Cultivated Afurakani/Afuraitkaitnit (African) Ancestresses and Ancestors. It was our Nananom Nsamanfo who would also lead us to the tangible evidence supporting the etymological origins of the term in the languages, cultures and ritual practices of Afuraka/Afuraitkait (Africa) – inclusive of Ancient Khanit and Kamit (Nubia and Egypt). We would subsequently release our publication: KUKUU-TUNTUM The Ancestral Jurisdiction in 13002 (2002), wherein we defined the term Afuraka/Afuraitkait and its cosmological roots in the first section. The release of our article series in 13007-13008 was designed to provide a more detailed analysis of the nature and function of the name Afuraka/Afuraitkait (Africa) as it applies to Black People – and Black People only – and to expose the misinformation which continues to be propagated deliberately by the whites and their offspring, as well as by misinformed Afurakani/Afuraitkaitnit (African~Black) scholars, teachers, authors, etc. This four-part series is the first volume of a greater series. There are numerous manifestations of the term and name Afuraka/Afuraitkait (Africa) all over the continent and in the places we traveled after having migrated away from the continent thousands of years ago for the first time in our trustory. This is an attestation to the ancient spiritual roots of the name Afuraka/Afuraitkait. The information can and will fill many volumes. This is a never-ending project.

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Basic Concepts of Electrical Engineering Krishna Prakashan Media

Baum and Smith, both professors evolutionary biology and researchers in the field of systematics, present this highly accessible introduction to phylogenetics and its importance in modern biology. Ever since Darwin, the evolutionary histories of organisms have been portrayed in the form of branching trees or "phylogenies." However, the broad significance of the phylogenetic trees has come to be appreciated only quite recently. Phylogenetics has myriad applications in biology, from discovering the features present in ancestral organisms, to finding the sources of invasive species and infectious diseases, to identifying our closest living (and extinct) hominid relatives. Taking a conceptual approach, Tree Thinking introduces readers to the interpretation of phylogenetic trees, how these trees can be reconstructed, and how they can be used to answer biological questions. Examples and vivid metaphors are incorporated throughout, and each chapter

concludes with a set of problems, valuable for both students and teachers. Tree Thinking is must-have textbook for any student seeking a solid foundation in this fundamental area of evolutionary biology.

Mathematical Concepts and Applications in Mechanical Engineering and Mechatronics Vikas Publishing House

Co-Synthesis of Hardware and Software for Digital Embedded Systems, with a Foreword written by Giovanni De Micheli, presents techniques that are useful in building complex embedded systems. These techniques provide a competitive advantage over purely hardware or software implementations of time-constrained embedded systems. Recent advances in chip-level synthesis have made it possible to synthesize application-specific circuits under strict timing constraints. This work advances the state of the art by formulating the problem of system synthesis using both application-specific as well as reprogrammable components, such as off-the-shelf processors. Timing constraints are used to determine what part of the system functionality must be delegated to dedicated application-specific hardware while the rest is delegated to software that runs on the processor. This co-synthesis of hardware and software from behavioral specifications makes it possible to realize real-time embedded systems using off-the-shelf parts and a relatively small amount of application-specific circuitry that can be mapped to semi-custom VLSI such as gate arrays. The ability to perform detailed analysis of timing performance provides the opportunity of improving the system definition by creating better phototypes. Co-Synthesis of Hardware and Software for Digital Embedded Systems is of interest to CAD researchers and developers who want to branch off into the expanding field of hardware/software co-design, as well as to digital system designers who are interested in the present power and limitations of CAD techniques and their likely evolution.