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Computer Organization and Design
 Aviation Meteorology: Observations and Models
 Numerical Recipes in C++
 Cotton Physiology
 Practical Handbook of Material Flow Analysis
 Kingship and Polity on the Himalayan Borderland
 ARM® Cortex® M4 Cookbook
 Traditional knowledge, perceptions and forest conditions in a Dayak Mentebah community, West Kalimantan, Indonesia
 Elements of Structural Syntax
 On-Chip Electro-Static Discharge (ESD) Protection for Radio-Frequency Integrated Circuits
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 Ayurveda And Panchakarma The Science Of Healing And Rejuvenation
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Computer Organization and Design Springer Publishing Company

The third edition of this established classic text reference builds upon the strengths of its very popular predecessors. Organized as a broadly useful textbook *Principles of Fluorescence Spectroscopy*, 3rd edition maintains its emphasis on basics, while updating the examples to include recent results from the scientific literature. The third edition includes new chapters on single molecule detection, fluorescence correlation spectroscopy, novel probes and radiative decay engineering. Includes a link to Springer Extras to download files reproducing all book artwork, for easy use in lecture slides. This is an essential volume for students, researchers, and industry professionals in biophysics, biochemistry, biotechnology, bioengineering, biology and medicine.

Aviation Meteorology: Observations and Models John Benjamins Publishing Company

This book explores the modern transformation of state and society in the Indian Himalaya. Centred on three Rajput-led kingdoms during the transition to British rule (c. 1790-1840) and their interconnected histories, it demonstrates how border making practices engendered a modern reading of 'tradition' that informs communal identities to date. By revising the history of these mountain kings on the basis of extensive archival, textual, and

ethnographic research, it offers an alternative to popular and scholarly discourses that grew with the rise of colonial knowledge. This revision ultimately points to the important contribution of borderland spaces to the fabrication of group identities.

Numerical Recipes in C++ Lippincott Williams & Wilkins

Rev. ed. of: *Computer organization and design* / John L. Hennessy, David A. Patterson. 1998.

Cotton Physiology Springer Nature

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The *Medical Student Survival Skills* series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements. These guides are the perfect tool for achieving clinical success. *Medical Student Survival Skills: Procedural Skills* is the ideal guide for medical students tasked with performing a core set of clinical procedures. A vital part of any medical training, these procedures range from basic body temperature and blood pressure measurements to more advanced arterial blood gas sampling and ophthalmoscopic techniques. This indispensable guide enables students to quickly lookup relevant information on the go, carry out clinical procedures with minimal supervision and apply procedural knowledge to their OSCE exams.

Practical Handbook of Material Flow Analysis John Wiley & Sons

Designed for advanced undergraduate or first-year graduate courses in semiconductor or microelectronic fabrication, the third edition of *Fabrication*

Engineering at the Micro and Nanoscale provides a thorough and accessible introduction to all fields of micro and nano fabrication.

Kingship and Polity on the Himalayan Borderland Springer

This cutting-edge book on off-chip technologies puts the hottest breakthroughs in high-density compliant electrical interconnects, nanophotonics, and microfluidics at your fingertips, integrating the full range of mathematics, physics, and technology issues together in a single comprehensive source. You get full details on state-of-the-art I/O interconnects and packaging, including mechanically compliant I/O approaches, fabrication, and assembly, followed by the latest advances and applications in power delivery design, analysis, and modeling. The book explores interconnect structures, materials, and packages for achieving high-bandwidth off-chip electrical communication, including optical interconnects and chip-to-chip signaling approaches, and brings you up to speed on CMOS integrated optical devices, 3D integration, wafer stacking technology, and through-wafer interconnects.

ARM® Cortex® M4 Cookbook Motilal Banarsidass Publishe

Essentials of Clinical Radiation Oncology is a comprehensive, user-friendly clinical review that summarizes up-to-date cancer care in an easy-to-read format. Each chapter is structured for straightforward navigability and information retention beginning with a "quick-hit" summary that contains an overview of each disease, its natural history, and general treatment options. Following each "quick-hit" are high-yield summaries covering epidemiology, risk factors, anatomy, pathology, genetics, screening, clinical presentation, workup, prognostic factors, staging, treatment paradigms, and medical management for each malignancy. Each treatment paradigm section describes the current standard of care for radiation therapy including indications, dose constraints, and side effects. Chapters conclude with an evidence-based question and answer section which summarizes practice-changing data to answer key information associated with radiation treatment outcomes. Flow diagrams and tables consolidate information throughout the book that all radiation oncologists and related practitioners will find extremely useful when approaching treatment planning and clinical care. Essentials of Clinical Radiation Oncology has been designed to replicate a "house manual" created and used by residents in training and is a "one-stop" resource for practicing radiation oncologists, related practitioners, and radiation oncology residents entering the field. Key Features: Offers digestible information as a learning guide for general practice Examines essential clinical questions which are answered with evidence-based data from important clinical studies Places clinical trials and data into historical context and points out relevance in current practice Provides quick reference tables on treatment options and patient selection, workup, and prognostic factors by disease site

Traditional knowledge, perceptions and forest conditions in a Dayak Mentebah community, West Kalimantan, Indonesia John Wiley & Sons

The book compiles the research works related to smart solutions concept in context to smart energy systems, maintaining electrical grid discipline and resiliency, computational collective intelligence consisted of interaction between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It includes high-quality papers presented in the International Conference on Intelligent Computing Techniques for Smart Energy Systems organized by Manipal University Jaipur. This book will motivate scholars to work in these areas. The book also prophesies their approach to be used for the business and the humanitarian technology development as research proposal to various government organizations for funding approval.

Elements of Structural Syntax Benjamin-Cummings Publishing Company

Data Mining and Knowledge Discovery Handbook organizes all major concepts, theories, methodologies, trends, challenges and applications of data mining (DM) and knowledge discovery in databases (KDD) into a coherent and unified repository. This book first surveys, then provides comprehensive yet concise algorithmic descriptions of methods, including classic methods plus the extensions and novel methods developed recently. This volume concludes with in-depth descriptions of data mining applications in various interdisciplinary industries including finance, marketing, medicine, biology, engineering, telecommunications, software, and security. Data Mining and Knowledge Discovery Handbook is designed for research scientists and graduate-level students in computer science and engineering. This book is also suitable for professionals in fields such as computing applications, information systems management, and strategic research management.

On-Chip Electro-Static Discharge (ESD) Protection for Radio-Frequency Integrated Circuits OUP USA

The early development of the screw propeller. Propeller geometry. The propeller environment. The ship wake field, propeller performance characteristics.

Digital Design with Chisel Springer Science & Business Media

The main effects of Seaweed extracts (Ascophyllum, Fucus, Sargassum, Saccorhiza, Laminaria, Gelidium and others), when used as agricultural fertilizers, are better seed germination and higher quality fruit production, with longer shelf life; better use of soil nutrients; more productive crops and plants with greater resistance to unfavorable environmental conditions. Algae also have a long history of use as animal feed. They have a highly variable composition depending on the species, collection season and habitat, and on external conditions such as water temperature, light intensity and nutrient concentration in water. In relation to ruminal fermentation, a high variability of the digestibility values was found among seaweed species and cannot be attributed only to the composition of different nutrients of the algae. The role of marine algae for reduction of methane production is discussed with particular emphasis on novel algae-based feed strategies that target minimal methane emissions without affecting the functionality of the microbiota and overall animal productivity. Key Features: Sustainable Agriculture Natural Feeding Nutrients Liquid Seaweed Agricultural Biostimulants Natural Pesticides

Air Regulations Springer Science & Business Media

This study aims to introduce the natural resource uses of Dayak Mentebah people of the village Nanga Dua, West Kalimantan. It is part of the project CoLUPSIA that focuses on reinforcing small stakeholder's rights. Furthermore, ecological data are collected to support the protection of Indonesia's species rich and vulnerable tropical forests, threatened through high deforestation rates. The local people's perceptions about their environment and land uses were assessed using participatory survey techniques: focus group discussions, scoring exercises, free lists of species and participatory mapping. To further record the traditional practices a survey was conducted on medicinal plants. The ecological assessment was done through survey

plots in different land use units, where tree diversity and diameter at breast height was measured. The inhabitants of Nanga Dua are dependent upon forest products for food, material for construction, basketry, etc. Medicinal plants are integral part of the health-care system. The traditional, shifting cultivation creates a diverse and mosaic-like patchwork of various types of forests, having different successional stages. Tree diversity in the land-use units was generally high, with the primary forest in immediate proximity acting as tree species reservoir.

Press Tools Design and Construction CRC Press

Now the acclaimed Second Edition of Numerical Recipes is available in the C++ object-oriented programming language. Including and updating the full mathematical and explanatory contents of Numerical Recipes in C, this new version incorporates completely new C++ versions of the more than 300 Numerical Recipes routines that are widely recognized as the most accessible and practical basis for scientific computing. The product of a unique collaboration among four leading scientists in academic research and industry, Numerical Recipes is a complete text and reference book on scientific computing. In a self-contained manner it proceeds from mathematical and theoretical considerations to actual practical computer routines. Highlights include linear algebra, interpolation, special functions, random numbers, nonlinear sets of equations, optimization, eigensystems, Fourier methods and wavelets, statistical tests, ODEs and PDEs, integral equations and inverse theory. The authors approach to C++ preserves the efficient execution that C users expect, while simultaneously employing a clear, object-oriented interface to the routines. Tricks and tips for scientific computing in C++ are liberally included. The routines, in ANSI/ISO C++ source code, can thus be used with almost any existing C++ vector/matrix class library, according to user preference. A simple class library for stand-alone use is also included in the book. Both scientific programmers new to C++, and experienced C++ programmers who need access to the Numerical Recipes routines, can benefit from this important new version of an invaluable, classic text.

Intelligent Computing Techniques for Smart Energy Systems S. Chand Publishing

21 riveting stories from the battlefield about how India's highest military honour was won The Brave takes you to the hearts and minds of India's bravest soldiers, all of whom won the Param Vir Chakra, India's greatest military honour. With access to the Army, families and comrades-in-arms of the soldiers, Rachna Bisht Rawat paints the most vivid portrait of these men and their extraordinary deeds. How hard is it to fight at 20,000 feet in sub-zero temperatures? Why did Captain Vikram Batra say 'Yeh dil maange more'? How do wives and girlfriends of soldiers who don't return cope? What happens when the enemy is someone that you have trained? How did the Charlie Company push back the marauding Chinese? How did a villager from Uttar Pradesh become a specialist in destroying tanks? Both gripping and inspiring, The Brave is the ultimate book on the Param Vir Chakra.

Principles of Fluorescence Spectroscopy John Wiley & Sons

Master the fundamentals of discrete mathematics with DISCRETE MATHEMATICS FOR COMPUTER SCIENCE with Student Solutions Manual CD-ROM! An increasing number of computer scientists from diverse areas are using discrete mathematical structures to explain concepts and problems and this mathematics text shows you how to express precise ideas in clear mathematical language. Through a wealth of exercises and examples, you will learn how mastering discrete mathematics will help you develop important reasoning skills that will continue to be useful throughout your career.

Integrated Interconnect Technologies for 3D Nanoelectronic Systems Amsterdam University Press

Aviation-related regulations are spread out in several volumes of documents published by various agencies. Pilots, Air Traffic Controllers, Flight Dispatchers and other personnel associated with flight operations have to refer to numerous ICAO, Government of India, DGCA and Airport Authority of India publications to prepare for examinations and for handling day-to-day situations. It is not easy to access and co-relate information contained in these publications. With his background as an Air Force Officer and Instructor, Indira Gandhi Rashtriya Uran Akademi, the author have attempted to compile and blend together useful information on Air regulations to make it easy to be referred by the personnel concerned. The compilation will be useful for CPL (Air Regulations), Air Traffic Controller and Flight Dispatcher examinations. The information will also be useful to personnel associated with aviation activity.

Ayurveda And Panchakarma The Science Of Healing And Rejuvenation Springer Science & Business Media

This Topical Volume focuses on aviation meteorology for operations and research, covering important topics related to wind and turbulence, visibility, fog and precipitation, convection and lightning, icing, blowing snow, and ice cloud microphysics and dynamics. In addition to forecasting issues, the impact of climate on aviation operations is also highlighted, as temperature and moisture changes can affect aircraft aerodynamic conditions, such as lift and drag forces. This work uses measurements from state of art in-situ instruments and simulation results from numerical weather prediction (NWP) and climate models. New technologies related to satellites, radars, lidars, and UAVs (Unmanned Aerial Vehicles) are described, as well as new analysis methods related to artificial intelligence (AI) and neural network systems. Use of remote sensing platforms, including satellites, radars, radiometers, ceilometers, sodars, and lidars, as well as knowledge of the in-situ observations for the monitoring and short-term forecasting of wind, turbulence, gust, clear air turbulence (CAT), low visibility due to fog and clouds, and precipitation types are required for aviation operations at the airports and high level flying conditions. This book provides extensive knowledge for aviation-related meteorological processes and events that include short and long term prediction of high impact weather systems. Aviation experts, weather offices, pilots, university students, postgraduates, and researchers interested in aviation and meteorology, including new instruments for measurements applicable to forecasting and nowcasting, can benefit from consulting and reading this book. This book provides a comprehensive overview of our existing knowledge and the numerous remaining difficulties in predicting and measuring issues related to wind and turbulence, convection, fog and visibility, various cloud types, icing, and ice clouds at various time and space scales. Previously published in Pure and Applied Geophysics, Volume 176, Issue 5, 2019

Essentials of Clinical Radiation Oncology Int. Rice Res. Inst.

Up-to-date information, substantial amount of material on clinical Forensic Medicine included in a nutshell. Medical Jurisprudence, Identification, Autopsy, Injuries, Sexual Offences, Forensic Psychiatry and Toxicology are dealt with elaborately.

New Approaches to Gall Midge Resistance in Rice CRC Press

Build the foundation of scientific knowledge and practical decision-making skills needed to excel in an exercise training career Master the core

concepts of exercise physiology and learn how to apply them to the real-world challenges of exercise training with *Exercise Physiology: Integrating Theory and Application*, Third Edition. Designed to connect theory to practice, this engaging, accessible text gives students a thorough understanding of how the body adapts to exercise and environmental stresses and how basic physiology informs practical decisions. This new edition expands the coverage of practical applications, extends on our growing scientific knowledge of exercise physiology, explores the topic of "Exercise is Medicine", and offers more guidance on finding reliable research-based answers to real-life questions. New content, as well as updated coverage of the endocrine system, applying research, nutritional support, and environmental effects make this the perfect resource to support the diverse case scenarios seen by personal trainers, strength coaches, fitness instructors, athletic trainers, and other exercise professionals.

Quantum Field Theory CIFOR

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Quantum field theory is the basic mathematical framework that is used to describe elementary particles. This textbook provides a complete and essential introduction to the subject. Assuming only an undergraduate knowledge of quantum mechanics and special relativity, this book is ideal for graduate students beginning the study of elementary particles. The step-by-step presentation begins with basic concepts illustrated by simple examples, and proceeds through historically important results to thorough treatments of modern topics such as the renormalization group, spinor-helicity methods for quark and gluon scattering, magnetic monopoles, instantons, supersymmetry, and the unification of forces. The book is written in a modular format, with each chapter as self-contained as possible, and with the necessary prerequisite material clearly identified. It is based on a year-long course given by the author and contains extensive problems, with password protected solutions available to lecturers at www.cambridge.org/9780521864497.