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Data Science Fundamentals and Practical Approaches Springer

div="" style="" This book comprises select proceedings of the 46th National Conference on Fluid Mechanics and Fluid Power (FMFP 2019). The contents of this book focus on aerodynamics and flow control, computational fluid dynamics, fluid structure interaction, noise and aero-acoustics, unsteady and pulsating flows, vortex dynamics, nuclear thermal hydraulics, heat transfer in nanofluids, etc. This book serves as a useful reference beneficial to researchers, academicians and students interested in the broad field of mechanics. ^

Longman Advanced Learners' Grammar McGraw-Hill Humanities, Social Sciences & World Languages

All Important Mechanical Engineering Technical Interview Questions & Answers covering all the subjects, Important for Viva Exams & Job Interviews for Freshers and Experienced.This book has been written by keeping in mind of various competitive exams and interviews of all kind of organizations. This book caters to the syllabus of almost all Universities and all the topics of Mechanical Engineering.

Trauma- and Stressor-related Disorders Wiley

Gary William Flake develops in depth the simple idea that recurrent rules can produce rich and complicated behaviors. In this book Gary William Flake develops in depth the simple idea that recurrent rules can produce rich and complicated behaviors. Distinguishing "agents" (e.g., molecules, cells, animals, and species) from their interactions (e.g., chemical reactions, immune system responses, sexual reproduction, and evolution), Flake argues that it is the computational properties of interactions that account for much of what we think of as "beautiful" and "interesting." From this basic thesis, Flake explores what he considers to be today's four most interesting computational topics: fractals, chaos, complex systems, and adaptation. Each of the book's parts can be read independently, enabling even the casual reader to understand and work with the basic equations and programs. Yet the parts are bound together by the theme of the computer as a laboratory and a metaphor for understanding the universe. The inspired reader will experiment further with the ideas presented to create fractal landscapes, chaotic systems, artificial life forms, genetic algorithms, and artificial neural networks.

The Photomontages of Hannah Höch BPB Publications

Over the past 20 to 25 years, pattern recognition has become an important part of image processing applications where the input data is an image. This book is a complete introduction to pattern recognition and its increasing role in image processing. It covers the traditional issues of pattern recognition and also introduces two of the fastest growing areas: Image Processing and Artificial Neural Networks. Examples and digital images illustrate the techniques, while an appendix describes pattern recognition using the SAS statistical software system.

Heat and Mass Transfer in Boundary Layers DIANE Publishing

Rigorous, detailed, and wide-ranging, University Finances is a unique and powerful resource.

Introduction to Machine Design Firewall Media

An Introduction to Logic Circuit Testing provides a detailed coverage of techniques for test generation and testable design of digital electronic circuits/systems. The material covered in the book should be sufficient for a course, or part of a course, in digital circuit testing for senior-level undergraduate and first-year graduate students in Electrical Engineering and Computer Science. The book will also be a valuable resource for engineers working in the industry. This book has four chapters. Chapter 1 deals with various types of faults that may occur in very large scale integration (VLSI)-based digital circuits. Chapter 2 introduces the major concepts of all test generation techniques such as redundancy, fault coverage, sensitization, and backtracking. Chapter 3 introduces the key concepts of testability, followed by some ad hoc design-for-testability rules that can be used to enhance testability of combinational circuits. Chapter 4 deals with test generation and response evaluation techniques used in BIST (built-in self-test) schemes for VLSI chips. Table of Contents: Introduction / Fault Detection in Logic Circuits / Design for Testability / Built-in Self-Test / References

MITRE Systems Engineering Guide Elsevier

Provides comprehensive coverage through articles, graphs, tables, and formula of standard subjects and recent innovations relating to chemical engineering Bibliogs.

Fundamentals of Engineering Heat and Mass Transfer Johns Hopkins University Press

This book is open access under a CC BY 4.0 license. This textbook, endorsed by the European Society for Blood and Marrow Transplantation (EBMT), provides adult and paediatric nurses with a full and informative guide covering all aspects of transplant nursing, from basic principles to advanced concepts. It takes the reader on a journey through the history of transplant nursing, including essential and progressive elements to help nurses improve their knowledge and benefit the patient experience, as well as a comprehensive introduction to research and auditing methods. This new volume specifically intended for nurses, complements the ESH-EBMT reference title, a popular educational resource originally developed in 2003 for physicians to accompany an annual training course also serving as an educational tool in its own right. This title is designed to develop the knowledge of nurses in transplantation. It is the first book of its kind specifically targeted at nurses in this specialist field and acknowledges the valuable contribution that nursing makes in this area. This volume presents information that is essential for the education of nurses new to transplantation, while also offering a valuable resource for more experienced nurses who wish to update their knowledge.

An Introduction to Logic Circuit Testing Prentice Hall

Fundamentals of Heat and Mass Transfer, 7th Edition is the gold standard of heat transfer pedagogy for more than 30 years, with a commitment to continuous improvement by four authors having more than 150 years of combined experience in heat transfer education, research and practice. Using a rigorous and systematic problem-solving methodology pioneered by this text, it is abundantly filled with examples and problems that reveal the richness and beauty of the discipline. This edition maintains its foundation in the four central learning objectives for students and also makes heat and mass transfer more approachable with an additional emphasis on the fundamental concepts, as well as highlighting the relevance of those ideas with exciting applications to the most critical issues of today and the coming decades: energy and the environment. An updated version of Interactive Heat Transfer (IHT) software makes it even easier to efficiently and accurately solve problems.

Genmix Springer Nature

This useful guide contains more than 3,000 environmental acronyms and abbreviations. It also includes a glossary of more than 1,000 environmental terms for those frequently used but difficult to find expressions, written in non-technical, easy-to-understand language.

Engineering Heat and Mass Transfer Independently Published

Offering a balanced perspective, this text incorporates the latest research findings and statistics. It provides explanations of biological, psychological and social factors in health issues, reinforced with case studies.

Toxicological Profile for Cobalt Nirali Prakashan

Underlines the objective of the understanding of the physical phenomena involved and the ability to formulate and to solve typical problems. This book identifies the similarities in both qualitative and quantitative approach between heat and mass transfer.

Emergency Response to Terrorism Routledge

Outbreaks of E. Coli and Salmonella from eating tainted meat or chicken and Mad Cow Disease have consumers and the media focused on food safety-related topics. This handbook aimed at students as well as consumers is an excellent starting point for locating both print and electronic resources with timely information about food safety issues, organizations and associations, and careers in the field.

The Food Safety Information Handbook Oxford University Press

"It is very exciting to see all of these studies compiled in one book. It can be read sequentially or just for certain transitions. It also can be used as a template for compilation of other concepts central to nursing and can serve as a resource for further studies in transitions. It is an excellent addition to the nursing literature." Score: 95, 4 Stars. --Doody's "Understanding and recognizing transitions are at the heart of health care reform and this current edition, with its numerous clinical examples and descriptions of nursing interventions, provides important lessons that can and should be incorporated into health policy. It is a brilliant book and an important contribution to nursing theory." Kathleen Dracup, RN, DNSc Dean and Professor, School of Nursing University of California San Francisco Afaf Meleis, the dean of the University of Pennsylvania School of Nursing, presents for the first time in a single volume her original "transitions theory" that integrates middle-range theory to assist nurses in facilitating positive transitions for patients, families, and communities. Nurses are consistently relied on to coach and support patients going through major life transitions, such as illness, recovery, pregnancy, old age, and many more. A collection of over 50 articles published from 1975 through 2007 and five newly commissioned articles, Transitions Theory covers developmental, situational, health and illness, organizational, and therapeutic transitions. Each section includes an introduction written by Dr. Meleis in which she offers her historical and practical perspective on transitions. Many of the articles consider the transitional experiences of ethnically diverse patients, women, the elderly, and other minority populations. Key Topics Discussed: Situational transitions, including discharge and relocation transitions (hospital to home, stroke recovery) and immigration transitions (psychological adaptation and impact of migration on family health) Educational transitions, including professional transitions (from RN to BSN and student to professional) Health and illness transitions, including self-care post heart failure, living with chronic illness, living with early dementia, and accepting palliative care Organization transitions, including role transitions from acute care to collaborative practice, and hospital to community practice Nursing therapeutics models of transition, including role supplementation models and debriefing models

Chemical Engineers' Handbook MIT Press

Genmix: A General Computer Program for Two-dimensional Parabolic Phenomena explains a computer program called GENMIX. The main intention of the program is to be used as a tool of instructions. The name of the program is a mixture of two considerations: its generality and its concern for mixing processes. The book aims to help the potential user to understand the physical and mathematical basis of the topic computer program. It is also the aim of the book to make the program applicable to practical problems. The book is arranged in such a way as to parallel a course of lectures and associated computer-workshop sessions wherein the student is allowed to do some elementary computations as soon as he has gained some knowledge of the method. The book contains the mathematical, physical, and computer-coding aspects of the program. Concepts such as the boundary layer, two-dimensional, and steady- flow are defined and discussed in depth. The text will be a useful tool for computer instructors and students.

Casarett & Doull's Essentials of Toxicology Springer Nature

Learn how to process and analysis data using Python Ê KEY FEATURES Ê - The book has theories explained elaborately along with Python code and corresponding output to support the theoretical explanations. The Python codes are provided with step-by-step comments to explain each instruction of the code. - The book is not just dealing with the background mathematics alone or only the programs but beautifully correlates the background mathematics to the theory and then finally translating it into the programs. - A rich set of chapter-end exercises are provided, consisting of both short-answer questions and long-answer questions. DESCRIPTION This book introduces the fundamental concepts of Data Science, which has proved to be a major game-changer in business solving problems. Ê Topics covered in the book include fundamentals of Data Science, data preprocessing, data plotting and visualization, statistical data analysis, machine learning for data analysis, time-series analysis, deep learning for Data Science, social media analytics, business analytics, and Big Data analytics. The content of the book describes the fundamentals of each of the Data Science related topics together with illustrative examples as to how various data analysis techniques can be implemented using different tools and libraries of Python programming language. Each chapter contains numerous examples and illustrative output to explain the important basic concepts. An appropriate number of questions is presented at the end of each chapter for self-assessing the conceptual understanding. The references presented at the end of every chapter will help the readers to explore more on a given topic. Ê WHAT WILL YOU LEARN Ê Perform processing on data for making it ready for visual plot and understand the pattern in data over time. Understand what machine learning is and how learning can be incorporated into a program. Know how tools can be used to perform analysis on big data using python and other standard tools. Perform social media analytics, business analytics, and data analytics on any data of a company or organization. WHO THIS BOOK IS FOR The book is for readers with basic programming and mathematical skills. The book is for any engineering graduates that wish to apply data science in their projects or wish to build a career in this direction. The book can be read by anyone who has an interest in data analysis and would like to explore more out of interest or to apply it to certain real-life

problems. TABLE OF CONTENTS 1. Fundamentals of Data Science1 2. Data Preprocessing 3. Data Plotting and Visualization 4. Statistical Data Analysis 5. Machine Learning for Data Science 6. Time-Series Analysis 7. Deep Learning for Data Science 8. Social Media Analytics 9. Business Analytics 10. Big Data Analytics

Federal Activities Inventory Reform Act of 1998 Stationery Office

Trauma, stress, and disasters are impacting our world. The scientific advances presented address the burden of disease of trauma- and stressor-related disorders. This book is about their genetic, neurochemical, developmental, and psychological foundations, epidemiology, and prevention, screening, diagnosis, and treatment. It presents evidence-based psychotherapeutic, psychopharmacological, public health, and policy interventions.

Transitions Theory McGraw-Hill Companies

First published in 1984, this book examines corporate crime in the pharmaceutical industry. Based on extensive research, including interviews with 131 senior executives of pharmaceutical companies in the United States, the United Kingdom, Australia, Mexico and Guatemala, the book is a major study of white-collar crime. Written in the 1980s, it covers topics such as international bribery and corruption, fraud in the testing of drugs and criminal negligence in the unsafe manufacturing of drugs. The author considers the implications of his findings for a range of strategies to control corporate crime, nationally and internationally.

Fundamentals of Heat and Mass Transfer Springer Publishing Company

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Industrial Engineering And Management John Wiley & Sons

Here, in the first comprehensive survey of her work by an American museum, authors Peter Boswell, Maria Makela, and Carolyn Lanchner survey the full scope of Hoch's half-century of experimentation in photomontage - from her politically charged early works and intimate psychological portraits of the Weimar era to her later forays into surrealism and abstraction.