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The Homiletic Review Springer

This comprehensive textbook/reference provides an in-depth overview of the key aspects of transportation analysis, with an emphasis on modeling real transportation systems and executing the models. Topics and features: presents comprehensive review questions at the end of each chapter, together with detailed case studies, useful links, references and suggestions for further reading; supplies a variety of teaching support materials at the book's webpage on Springer.com, including a complete set of lecture slides; examines the classification of models used for multimodal transportation systems, and reviews the models and evaluation methods used in transportation planning; explains traffic assignment to road networks, and describes computer simulation integration platforms and their use in the transportation systems sector; provides an overview of transportation simulation tools, and discusses the critical issues in the design, development and use of the simulation models.

Introduction to AutoCAD 2007 American Mathematical Soc.

Data is bigger, arrives faster, and comes in a variety of formats—and it all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark matters. Specifically, this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walk-throughs, code snippets, and notebooks, you'll be able to: Learn Python, SQL, Scala, or Java high-level Structured APIs Understand Spark operations and SQL Engine Inspect, tune, and debug Spark operations with Spark configurations and Spark UI Connect to data sources: JSON, Parquet, CSV, Avro, ORC, Hive, S3, or Kafka Perform analytics on batch and streaming data using Structured Streaming Build reliable data pipelines with open source Delta Lake and Spark Develop machine learning pipelines with MLlib and productionize models using MLflow

Not-So-Simple Stellar Populations in Star Clusters CRC Press

This modern book addresses advances in technology and introduces users to 2-dimensional drawing skills and commands using the current release of AutoCAD. It continuously builds on concepts covered in previous chapters, contains exercises combined with in-text notes, and offers examples that provide the "how and why" of AutoCAD fundamentals, Projects created using the software will give readers hands-on experience and a thorough understanding of how to use AutoCAD in the 21st century. "Quick Start" chapter - Allows users to get up to speed in no time to create and even plot AutoCAD drawings! Real world examples includes drawings from an actual 30 story office tower and condominium designed and built in Portland, OR. Coverage of advanced subjects explained in layman's terms often insufficiently addressed in other books. Anyone involved with AutoCAD.

Introduction To Modern Planar Transmission Lines CRC Press

How did past communities and individuals remember through social and ritual practices? How important were mortuary practices in processes of remembering and forgetting the past? This innovative new research work focuses upon identifying strategies of remembrance. Evidence can be found in a range of archaeological remains including the adornment and alteration of the body in life and death, the production, exchange, consumption and destruction of material culture, the construction, use and reuse of monuments, and the social ordering of architectural space and the landscape. This book shows how in the past, as today, shared memories are important and defining aspects of social and ritual traditions, and the practical actions of dealing with and disposing of the dead can form a central focus for the definition of social memory.

Group Theory: Selected Problems John Wiley & Sons

The Federal Aviation Administration's Airplane Flying Handbook provides pilots, student pilots, aviation instructors, and aviation specialists with information on every topic needed to qualify for and excel in the field of aviation. Topics covered include: ground operations, cockpit management, the four fundamentals of flying, integrated flight control, slow flights, stalls, spins, takeoff, ground reference maneuvers, night operations, and much more. The Airplane Flying Handbook is a great study guide for current pilots and for potential pilots who are interested in applying for their first license. It is also the perfect gift for any aircraft or aeronautical buff.

GMD-Berichte Springer

Summary Go Web Programming teaches you how to build scalable, high-performance web applications in Go using modern design principles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Go language handles the demands of scalable, high-performance web applications by providing clean and fast compiled code, garbage collection, a simple concurrency model, and a fantastic standard library. It's perfect for writing microservices or building scalable, maintainable systems. About the Book Go Web Programming teaches you how to build web applications in Go using modern design principles. You'll learn how to implement the dependency

injection design pattern for writing test doubles, use concurrency in web applications, and create and consume JSON and XML in web services. Along the way, you'll discover how to minimize your dependence on external frameworks, and you'll pick up valuable productivity techniques for testing and deploying your applications. What's Inside Basics Testing and benchmarking Using concurrency Deploying to standalone servers, PaaS, and Docker Dozens of tips, tricks, and techniques About the Reader This book assumes you're familiar with Go language basics and the general concepts of web development. About the Author Sau Sheong Chang is Managing Director of Digital Technology at Singapore Power and an active contributor to the Ruby and Go communities. Table of Contents PART 1 GO AND WEB APPLICATIONS Go and web applications Go Chat PART 2 BASIC WEB APPLICATIONS Handling requests Processing requests Displaying content Storing data PART 3 BEING REAL Go web services Testing your application Leveraging Go concurrency Deploying Go

Presbyterian Banner Simon and Schuster

This book brings together the most important topics in experimental particle physics over the past forty years to give a brief but balanced overview of the subject. The author begins by reviewing particle physics and discussing electromagnetic and nuclear interactions. He then goes on to discuss three nearly universal aspects of particle physics experiments: beams, targets, and fast electronics. The second part of the book treats in detail the properties of various types of particle detector, such as scintillation counters, Cerenkov counters, proportional chambers, drift chambers, sampling calorimeters, and specialized detectors. Wherever possible the author attempts to enumerate the advantages and disadvantages of performance. Finally, he discusses aspects of specific experiments, such as properties of triggers, types of measurement, spectrometers, and the integration of detectors into coherent systems. Throughout the book, each chapter begins with a discussion of the basic principles involved, followed by selective examples.

Some Contributions to the Study of Equilibrium and Non-equilibrium Turbulent Wall Jets Over Curved Surfaces Springer

Designed for an intermediate undergraduate course, Probability and Statistics with R shows students how to solve various statistical problems using both parametric and nonparametric techniques via the open source software R. It provides numerous real-world examples, carefully explained proofs, end-of-chapter problems, and illuminating graphs

Author-title Catalog Universities Press

One of the giants of popular fiction, with total sales of around fifty million books, Dennis Wheatley held twentieth-century Britain spellbound. His Black Magic novels like The Devil Rides Out created an oddly seductive and luxurious vision of Satanism, but in reality he was as interested in politics as occultism. Wheatley was closely involved with the secret intelligence community, and this powerfully researched study shows just how directly this drove his work, from his unlikely warnings about the menace of Satanic Trade Unionism to his role in a British scheme to engineer a revival of Islam. Drawing on a wealth of unpublished material, Phil Baker examines Wheatley's key friendship with a fraudster named Eric Gordon Tombe, and uncovers the full story of his sensational 1922 murder. Baker also explores Wheatley's relationship with occult figures such as Rollo Ahmed, Aleister Crowley, and the Reverend Montague Summers, the shady priest and demonologist who inspired the memorable evil character of Canon Copely-Syle in To The Devil - A Daughter.

Ionic Liquid-Based Technologies for Environmental Sustainability Springer Science & Business Media

Divisors and Sandpiles provides an introduction to the combinatorial theory of chip-firing on finite graphs. Part 1 motivates the study of the discrete Laplacian by introducing the dollar game. The resulting theory of divisors on graphs runs in close parallel to the geometric theory of divisors on Riemann surfaces, and Part 1 culminates in a full exposition of the graph-theoretic Riemann-Roch theorem due to M. Baker and S. Norine. The text leverages the reader's understanding of the discrete story to provide a brief overview of the classical theory of Riemann surfaces. Part 2 focuses on sandpiles, which are toy models of physical systems with dynamics controlled by the discrete Laplacian of the underlying graph. The text provides a careful introduction to the sandpile group and the abelian sandpile model, leading ultimately to L. Levine's threshold density theorem for the fixed-energy sandpile Markov chain. In a precise sense, the theory of sandpiles is dual to the theory of divisors, and there are many beautiful connections between the first two parts of the book. Part 3 addresses various topics connecting the theory of chip-firing to other areas of mathematics, including the matrix-tree theorem, harmonic morphisms, parking functions, M-matrices, matroids, the Tutte polynomial, and simplicial homology. The text is suitable for advanced undergraduates and beginning graduate students.

Textbook of Immunology John Wiley & Sons

Here in one easy-to-understand volume are the statistical procedures and techniques the agricultural researcher needs to know in order to design, implement, analyze, and interpret the results of most experiments with crops. Designed specifically for the non-statistician, this valuable guide focuses on the practical problems of the field researcher. Throughout, it emphasizes the use of statistics as a tool of research—one that will help pinpoint research problems and select remedial measures. Whenever possible, mathematical formulations and statistical jargon are avoided. Originally published by the International Rice Research Institute, this widely respected guide has been totally updated and much expanded in this Second Edition. It now features new chapters on the analysis of multi-observation data and experiments conducted over time and space. Also included is a chapter on experiments in farmers' fields, a subject of major concern in developing countries where agricultural research is commonly conducted outside experiment stations. Statistical Procedures for Agricultural Research, Second Edition will prove equally useful to students and professional researchers in all agricultural and biological disciplines. A wealth of examples of actual experiments help readers to choose the statistical method best suited for their needs, and enable even the most complicated procedures to be easily understood and directly applied. An International Rice Research Institute Book

Probability and Statistics with R John Wiley & Sons

What Kids Buy and Why Simon and Schuster

Divisors and Sandpiles: An Introduction to Chip-Firing Wiley

This edited volume explores development in the so-called 'fragile', 'failed' and 'pariah' states. It examines the literature on both fragile states and their development, and offers eleven case studies on countries ranking in the 'very high alert' and 'very high warning' categories in the Fund for Peace Failed States Index.

Mindless Simon and Schuster

If you're in the business of marketing or developing products and programs for kids, What Kids Buy and Why belongs in your office. How

can you create outstanding products and programs that will win in the marketplace and in the hearts of kids and parents? Dan S. Acuff and Robert H. Reiher have invented a development and marketing process called Youth Market Systems that puts the needs, abilities, and interests of kids first. This system makes sure you won't miss the mark whether you're trying to reach young children or teens, boys or girls, or whether you're selling toys, sports equipment, snacks, school supplies, or software. Based on the latest child development research, *What Kids Buy and Why* is chock-full of provocative information about the cognitive, emotional, and social needs of each age group. This book tells you among other things--why 3-through-7-year-olds love things that transform, why 8-through-12-year-olds love to collect stuff, how the play patterns of boys and girls differ, and why kids of all ages love slapstick. *What Kids Buy and Why* is the result of Acuff and Reiher's almost twenty years of consulting with high-profile clients including Johnson & Johnson, Nike, Microsoft, Nestle, Tyco, Disney, Pepsi, Warner Brothers, LucasFilm, Amblin/Spielberg, Mattel, Hasbro, Kraft, Coca-Cola, Quaker Oats, General Mills, Broderbund, Bandai, Sega, ABC, CBS, I-HOP, Domino's, Hardee's, and Kellogg's. Special features include: an innovative matrix for speedy, accurate product analysis and program development a clear, step-by-step process for making decisions that increase your product's appeal to kids tools and techniques for creating characters that kids love Here is the complete one-stop tool for understanding what children of all ages want to buy.

Bayesian Ideas and Data Analysis IEEE

Emphasizing the use of WinBUGS and R to analyze real data, *Bayesian Ideas and Data Analysis: An Introduction for Scientists and Statisticians* presents statistical tools to address scientific questions. It highlights foundational issues in statistics, the importance of making accurate predictions, and the need for scientists and statisticians to collaborate in analyzing data. The WinBUGS code provided offers a convenient platform to model and analyze a wide range of data. The first five chapters of the book contain core material that spans basic Bayesian ideas, calculations, and inference, including modeling one and two sample data from traditional sampling models. The text then covers Monte Carlo methods, such as Markov chain Monte Carlo (MCMC) simulation. After discussing linear structures in regression, it presents binomial regression, normal regression, analysis of variance, and Poisson regression, before extending these methods to handle correlated data. The authors also examine survival analysis and binary diagnostic testing. A complementary chapter on diagnostic testing for continuous outcomes is available on the book's website. The last chapter on nonparametric inference explores density estimation and flexible regression modeling of mean functions. The appropriate statistical analysis of data involves a collaborative effort between scientists and statisticians. Exemplifying this approach, *Bayesian Ideas and Data Analysis* focuses on the necessary tools and concepts for modeling and analyzing scientific data. Data sets and codes are provided on a supplemental website.

Learning Spark Prentice Hall

Provides a comprehensive discussion of planar transmission lines and their applications, focusing on physical understanding, analytical approach, and circuit models Planar transmission lines form the core of the modern high-frequency communication, computer, and other related technology. This advanced text gives a complete overview of the technology and acts as a comprehensive tool for radio frequency (RF) engineers that reflects a linear discussion of the subject from fundamentals to more complex arguments. *Introduction to Modern Planar Transmission Lines: Physical, Analytical, and Circuit Models* Approach begins with a discussion of waves on transmission lines and waves in material medium, including a large number of illustrative examples from published results. After explaining the electrical properties of dielectric media, the book moves on to the details of various transmission lines including waveguide, microstrip line, co-planar waveguide, strip line, slot line, and coupled transmission lines. A number of special and advanced topics are discussed in later chapters, such as fabrication of planar transmission lines, static variational methods for planar transmission lines, multilayer planar transmission lines, spectral domain analysis, resonators, periodic lines and surfaces, and metamaterial realization and circuit models. Emphasizes modeling using physical concepts, circuit-models, closed-form expressions, and full derivation of a large number of expressions Explains advanced mathematical treatment, such as the variation method, conformal mapping method, and SDA Connects each section of the text with forward and backward cross-referencing to aid in personalized self-study *Introduction to Modern Planar Transmission Lines* is an ideal book for senior undergraduate and graduate students of the subject. It will also appeal to new researchers with the inter-disciplinary background, as well as to engineers and professionals in industries utilizing RF/microwave technologies.

Mountain View Corridor, Salt Lake and Utah Counties Prentice Hall

This best-selling introduction to automatic control systems has been updated to reflect the increasing use of computer-aided learning and design, and revised to feature a more accessible approach — without sacrificing depth.

Introduction to Transportation Analysis, Modeling and Simulation John Wiley & Sons

The *Chemistry of Heterocyclic Compounds*, since its inception, has been recognized as a cornerstone of heterocyclic chemistry. Each volume attempts to discuss all aspects — properties, synthesis, reactions, physiological and industrial significance — of a specific ring system. To keep the series up-to-date, supplementary volumes covering the recent literature on each individual ring system have been published. Many ring systems (such as pyridines and oxazoles) are treated in distinct books, each consisting of separate volumes or parts dealing with different individual topics. With all authors are recognized authorities, the *Chemistry of Heterocyclic Chemistry* is considered worldwide as the indispensable resource for organic, bioorganic, and medicinal chemists.

Introduction to Experimental Particle Physics Elsevier

We live in the age of Computer Business Systems (CBSs)—the highly complex, computer-intensive management programs on which large organizations increasingly rely. In *Mindless*, Simon Head argues that these systems have come to trump human expertise, dictating the goals and strategies of a wide array of businesses, and de-skilling the jobs of middle class workers in the process. CBSs are especially dysfunctional, Head argues, when they apply their disembodied expertise to transactions between humans, as in health care, education, customer relations, and human resources management. And yet there are industries with more human approaches, as Head illustrates with specific examples, whose lead we must follow and extend to the mainstream American economy. *Mindless* illustrates the shortcomings of CBS, providing an in-depth and disturbing look at how human dignity is slipping as we become cogs on a white collar assembly line.

The Cyanine Dyes and Related Compounds 1970 [c1974]

This book focuses on understanding the stellar populations of massive star clusters and aims to investigate the origin, evolution and properties of binary systems, their collision products, as well as the general characteristics (e.g. ages, metal content) of stellar population(s) in star clusters. It introduces the basic background knowledge of various stellar populations in star clusters as well as their formation, interaction and evolution and offers high impact observational results on our understanding of the formation and evolution mode of star clusters. Based on these discoveries, this book proposes a series of future projects that can shed light on these topics. The research introduced in this book reveals key features of star clusters formation and by extension how all stars formed in our universe.