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SINGH LEWIS

Bosonic Strings Springer Science & Business Media

This book presents a mathematical treatment of Bosonic string theory from the point of view of global geometry. As motivation, Jost presents the theory of point particles and Feynman path integrals. He provides detailed background material, including the geometry of Teichmüller space, the conformal and complex geometry of Riemann surfaces, and the subtleties of boundary regularity questions. The high point is the description of the partition function for Bosonic strings as a finite-dimensional integral over a moduli space of Riemann surfaces. Jost concludes with some topics related to open and closed strings and D-branes. *Bosonic Strings* is suitable for graduate students and researchers interested in the mathematics underlying string theory.

Grid-Scale Energy Storage Systems and Applications CRC Press

The Cat Paving Products Guide to Asphalt Compaction is an information-packed, easy-to-read resource that is supported by more than 180 color photos and illustrative graphic elements.

Principles of Mathematical Modelling Springer Science & Business Media

Electrical Engineer's Reference Book, Fourteenth Edition focuses on electrical engineering. The book first discusses units, mathematics, and physical quantities, including the international unit system, physical properties, and electricity. The text also looks at network and control systems analysis. The book examines materials used in electrical engineering. Topics include conducting materials, superconductors, silicon, insulating materials, electrical steels, and soft irons and relay steels. The

text underscores electrical metrology and instrumentation, steam-generating plants, turbines and diesel plants, and nuclear reactor plants. The book also discusses alternative energy sources. Concerns include wind, geothermal, wave, ocean thermal, solar, and tidal energy. The text then looks at alternating-current generators. Stator windings, insulation, output equation, armature reaction, and reactants and time-constraints are described. The book also examines overhead lines, cables, power transformers, switchgears and protection, supply and control of reactive power, and power systems operation and control. The text is a vital source of reference for readers interested in electrical engineering.

Computational Partial Differential Equations Using MATLAB® CRC Press

With extraction out of depleted wells more important than ever, this new and developing technology is literally changing drilling engineering for future generations. Never before published in book form, these cutting-edge technologies and the processes that surround them are explained in easy-to-understand language, complete with worked examples, problems and solutions. This volume is invaluable as a textbook for both the engineering student and the veteran engineer who needs to keep up with changing technology.

Theorems and Constructions Elsevier

"Company policy forbids me from exchanging my blood, my soul, or my firstborn child with customers..." When Ross starts working third-shift at a gas station, he doesn't think anything extraordinary will happen. He expects a lot of quiet shifts. Well, you know what they say about assumptions. One explosion later and he's the personal assistant to a vampire-who he admits is not only sexy, but the sane one-in charge of his supernatural clan's paperwork, and managing any trouble the members get into.

Spoiler alert: the clan can get into quite a bit of trouble. Ross is definitely not paid enough for this. Tags: The crack ship armada sails again, and then it got out of hand, poor put upon retail workers, Ross didn't deserve this, Fate is cruel, so am I, the trauma of changing jobs, Ross has a paperclip and knows how to use it, Ross isn't clear if he's a PA, bartender, or babysitter, troublesome werewolves, Australian wizards, spells gone awry, very awry, sexy vampires, developing relationship, coming out, not a single degree of chill from Glenn where Ross is concerned, slow burn, boss/secretary, light bondage, Ross has to teach ancient mythical beings how to text, pray for him, SHENANIGANS, did I mention crack?, the most absurd workplace romance in history

Guide to Asphalt Compaction CRC Press

Working Guide to Drilling Equipment and Operations offers a practical guide to drilling technologies and procedures. The book begins by introducing basic concepts such as the functions of drilling muds; types of drilling fluids; testing of drilling systems; and completion and workover fluids. This is followed by discussions of the composition of the drill string; air and gas drilling operations; and directional drilling. The book identifies the factors that should be considered for optimized drilling operations: health, safety, and environment; production capability; and drilling implementation. It explains how to control well pressure. It details the process of fishing, i.e. removal of a fish (part of the drill string that separates from the upper remaining portion of the drill string) or junk (small items of non-drillable metals) from the borehole. The remaining chapters cover the different types of casing and casing string design; well cementing; the proper design of tubing; and the environmental aspects of drilling. **Drilling and Production Hoisting Equipment Hoisting Tool Inspection and Maintenance Procedures Pump**

Performance Charts Rotary Table and Bushings Rig Maintenance of Drill Collars Drilling Bits and Downhole Tools
Underbalanced Drilling: Limits and Extremes CRC Press
 This modern introduction to the foundations of logic and mathematics not only takes theory into account, but also treats in some detail applications that have a substantial impact on everyday life (loans and mortgages, bar codes, public-key cryptography). A first college-level introduction to logic, proofs, sets, number theory, and graph theory, and an excellent self-study reference and resource for instructors.

A Mathematical Treatment Springer Science & Business Media
 Functional equations encompass most of the equations used in applied science and engineering: ordinary differential equations, integral equations of the Volterra type, equations with delayed argument, and integro-differential equations of the Volterra type. The basic theory of functional equations includes functional differential equations with cau

Diesel Engine Management by Mocktime Publication

This reference book provides a comprehensive insight into today's diesel injection systems and electronic control. It focuses on minimizing emissions and exhaust-gas treatment. Innovations by Bosch in the field of diesel-injection technology have made a significant contribution to the diesel boom. Calls for lower fuel consumption, reduced exhaust-gas emissions and quiet engines are making greater demands on the engine and fuel-injection systems.

Theory of Generalized Inverses Over Commutative Rings Ishiyaku EuroAmerica, Incorporated

When novelists Deeanne Gist and J. Mark Bertrand first met in a Houston critique group, they never expected where friendship would take them. She wrote romance; he wrote crime novels. But growing respect for each other's work culminated in the decision to try blending their talents into this wonderfully engaging story merging romance and mystery. Rylee Monroe walks dogs in old-money Charleston, a part of the city recently targeted by a daring thief. Logan Woods works the crime beat for the local paper but dreams of a life as a nonfiction writer. When the string of robberies takes a strange twist, Logan sees the making of a once-in-a-lifetime book that seems to circle around this charming, eye-catching dogwalker. But pursuing the truth means ignoring that he seems to be falling for her. And what is she hiding in her past

that could crack the story wide open?

A Simplified Approach Artech House Technology Manage
 YA. Adventure fiction. Fantasy fiction. Listen then, and I'll tell you again of the Battle of the Rock. But none of your usual wriggling, or I'll stop before I've begun . . . Halli loves the old stories from when the valley was a wild and dangerous place - when the twelve legendary heroes stood together to defeat the ancient enemy, the bloodthirsty Trows. Halli longs for adventure but these days the most dangerous thing in the valley is boredom. He tries to liven things up by playing practical jokes. But when one of his jokes goes too far, he reawakens an old blood feud and finds himself on a hero's quest after all. Along the way he meets a ruthless thief, a murderous rival, and a girl who may just be as fearless as he is . Jonathan Stroud has created an epic saga with a funny, unique spin, and an unforgettable anti-hero.

Build Business Intelligence Applications Powered with DAX Calculations, Insightful Visualizations, Advanced BI Techniques, and Loads of Data Sources (English Edition)

Springer Science & Business Media

Grid-Scale Energy Storage Systems and Applications provides a timely introduction to state-of-the-art technologies and important demonstration projects in this rapidly developing field. Written with a view to real-world applications, the authors describe storage technologies and then cover operation and control, system integration and battery management, and other topics important in the design of these storage systems. The rapidly-developing area of electrochemical energy storage technology and its implementation in the power grid is covered in particular detail. Examples of Chinese pilot projects in new energy grids and micro grids are also included. Drawing on significant Chinese results in this area, but also including data from abroad, this will be a valuable reference on the development of grid-scale energy storage for engineers and scientists in power and energy transmission and researchers in academia. Addresses not only the available energy storage technologies, but also topics significant for storage system designers, such as technology management, operation and control, system integration and economic assessment Draws on the wealth of Chinese research into energy storage and describes important Chinese energy storage demonstration projects Provides practical examples of the application of energy storage technologies that can be used by

engineers as references when designing new systems

Fundamentals of Diesel Engines BPB Publications

Expert Choice to build Business Intelligence landscapes and dashboards for Enterprises KEY FEATURES ● In-depth knowledge of Power BI, demonstrated through step-by-step exercises. ● Covers data modelling, visualization, and implementing security with complete hands-on training. ● Includes a project that simulates a realistic business environment from start to finish. DESCRIPTION Mastering Power BI covers the entire Power BI implementation process. The readers will be able to understand all the concepts covered in this book, from data modelling to creating powerful - visualizations. This book begins with the concepts and terminology such as Star-Schema, dimensions and facts. It explains about multi-table dataset and demonstrates how to load these tables into Power BI. It shows how to load stored data in various formats and create relationships. Readers will also learn more about Data Analysis Expressions (DAX). This book is a must for the developers wherein they learn how to extend the usability of Power BI, to explore meaningful and hidden data insights. Throughout the book, you keep on learning about the concepts, techniques and expert practices on loading and shaping data, visualization design and security implementation. WHAT YOU WILL LEARN ● Learn about Business Intelligence (BI) concepts and its contribution in business analytics. ● Learn to connect, load, and transform data from disparate data sources. ● Start creating and executing powerful DAX calculations. ● Design various visualizations to prepare insightful reports and dashboards. WHO THIS BOOK IS FOR This book is for anyone interested in learning how to use Power BI desktop or starting a career in Business Intelligence and Analytics. While this covers all the fundamentals, it is recommended that the reader be familiar with MS-Excel and database concepts. TABLE OF CONTENTS 1. Understanding the Basics 2. Connect and Shape 3. Optimize your datamodel 4. Data Analysis Expressions (DAX) 5. Visualizations in Power BI 6. Power BI Service 7. Securing your application **BOOK PART1** American Mathematical Soc.

When you are wracking your brains, trying to solve a complex, seemingly unsolvable problem, sometimes you just have to go back to the basics. To find a solution, you start at the very beginning and review the mathematical rules, laws, and formulas that that are at the root of every electrical engineering problem.

This is when you reach for the Mathematical Handbook for Electrical Engineers. Written by electrical engineers, specifically for electrical engineers, this valuable resource presents the most common mathematical techniques used for problem solving and computer-aided analysis.

Circuit Analysis with PSpice A1 Success Books

In this popular text for an Numerical Analysis course, the authors introduce several major methods of solving various partial differential equations (PDEs) including elliptic, parabolic, and hyperbolic equations. It covers traditional techniques including the classic finite difference method, finite element method, and state-of-the-art numerical methods. The text uniquely emphasizes both theoretical numerical analysis and practical implementation of the algorithms in MATLAB. This new edition includes a new chapter, Finite Value Method, the presentation has been tightened, new exercises and applications are included, and the text refers now to the latest release of MATLAB. Key Selling Points: A successful textbook for an undergraduate text on numerical analysis or methods taught in mathematics and computer engineering. This course is taught in every university throughout the world with an engineering department or school. Competitive advantage broader numerical methods (including finite difference, finite element, meshless method, and finite volume method), provides the MATLAB source code for most popular PDEs with detailed explanation about the implementation and theoretical analysis. No other existing textbook in the market offers a good combination of theoretical depth and practical source codes.

Infinite Families of Exact Sums of Squares Formulas, Jacobi Elliptic Functions, Continued Fractions, and Schur Functions American Mathematical Soc.

The theory of generalized inverses of real or complex matrices has been expertly developed and documented. But the generalized inverses of matrices over rings have received comprehensive treatment only recently. In this book, the author, who contributed to the research and development of the theory, explains his results. He explores regular element

Ideas, Methods, Examples CRC Press

Chart Patterns booklet is designed to be your quick source for identifying chart patterns to help you trade more confidently. This book introduces & explains 60+ patterns that you are bound to see in Stocks, Mutual Funds, ETFs, Forex, and Options Trading. With this book, you will not need to flip through hundreds of pages to identify patterns. This book will improve the way you trade. Unlike other Technical Analysis books, this Chart pattern book will help you master Charting & Technical Analysis by making it simple enough to understand & use on a day to day basis.

The Philippine Revolution and Beyond CRC Press

The present crude oil and natural gas reservoirs around the world have depleted conventional production levels. To continue enhancing productivity for the remaining mature reservoirs, drilling decision-makers could no longer rely on traditional balanced or overbalanced methods of drilling. Derived from conventional air drilling, underbalanced drilling is increasingly necessary to meet today's energy and drilling needs. While more costly and extreme, underbalanced drilling can minimize pressure within the formation, increase drilling rate of penetration, reduce formation damage and lost circulation, making mature reservoirs once again viable and more productive. To further explain this essential drilling procedure, Bill Rehm, an experienced legend in drilling along with his co-editors, has compiled a handbook perfect for the drilling supervisor. Underbalanced Drilling: Limits and Extremes, written under the auspices of the IADC Technical Publications Committee, contain many great features and contributions including: Real case studies shared by major service companies to give the reader guidelines on what might happen in actual operations Questions and answers at the end of the chapters for upcoming engineers to test their knowledge Common procedures, typical and special equipment involved, and most importantly, the limits and challenges that still surround this technology

Managed Pressure Drilling CarTech Inc

Logic is, and should be, the core subject area of modern mathematics. The blueprint for twentieth century mathematical thought, thanks to Hilbert and Bourbaki, is the axiomatic development of the subject. As a result, logic plays a central conceptual role. At the same time, mathematical logic has grown into one of the most recondite areas of mathematics. Most of modern logic is inaccessible to all but the specialist. Yet there is a need for many mathematical scientists-not just those engaged in mathematical research-to become conversant with the key ideas of logic. The Handbook of Mathematical Logic, edited by Jon Barwise, is in point of fact a handbook written by logicians for other mathematicians. It was, at the time of its writing, encyclopedic, authoritative, and up-to-the-moment. But it was, and remains, a comprehensive and authoritative book for the cognoscenti. The encyclopedic Handbook of Logic in Computer Science by Abramsky, Gabbay, and Maibaum is a wonderful resource for the professional. But it is overwhelming for the casual user. There is need for a book that introduces important logic terminology and concepts to the working mathematical scientist who has only a passing acquaintance with logic. Thus the present work has a different target audience. The intent of this handbook is to present the elements of modern logic, including many current topics, to the reader having only basic mathematical literacy.

Functional Equations with Causal Operators Pearson College Division

Mathematical modeling is becoming increasingly versatile and multi-disciplinary. This text demonstrates the broadness of this field as the authors consider the principles of model construction and use common approaches to build models from a range of subject areas. The book reflects the interests and experiences of the authors, but it explores mathematical modeling across a wide range of applications, from mechanics to social science. A general approach is adopted, where ideas and examples are favored over rigorous mathematical procedures. This insightful book will be of interest to specialists, teachers, and students across a wide range of disciplines..