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[Mathematical Excursions to the World's Great Buildings](#) Wiley-Interscience

This wonderful law school book is for exam preparation, not an outline. The writer's own bar essays were all published by the bar association. Look Inside! Unique studies in the three baby bar subjects. Short and to the point, very clear lessons and issues. Written by Grandfather Law books. BabyBarPrep.com.

[Purchasing and Financial Management of Information Technology](#) Routledge

High Performance MySQL "O'Reilly Media, Inc."

[Mathematics and Technology](#) High Performance MySQL

This popular guide is a must for 2010, when people around the world will be encouraged to discover their place in the universe through the observation of the day and night skies.

[Math Stuff](#) Wide World Pub Tetra

[Purchasing and Financial Management of Information Technology](#) aims to significantly reduce the amount of money wasted on IT by providing readers with a comprehensive guide to all aspects of planning, managing and controlling IT purchasing and finance. Starting from a recognition that IT purchasing and the financial management often needs to be treated differently from other types of expenditure, the author draws on over 25 years of experience in the field to provide readers with useful mixture of good procedures and common sense rules that have been tried, tested and found to work. Many of these are illustrated by case histories, each with a moral or a lesson. [Purchasing and Financial Management of Information Technology](#) provides useful guidelines and advice on whole range of topics including: * IT acquisitions policy * Dealing with suppliers * Budgeting and cost control * IT cost and risk management * Specification, selection and evaluation of systems * IT value for money

[Mathematica Data Visualization](#) John Wiley & Sons

Although the origin of Earth's and other celestial bodies' magnetic fields remains unknown, we do know that the motion of electrically conducting fluids generates and maintains these fields, forming the basis of magnetohydrodynamics (MHD) and, to a larger extent, dynamo theory. Answering the need for a comprehensive, interdisciplinary introduction to this area, [Mathematical Aspects of Natural Dynamos](#) provides a foundation in dynamo theory before moving on to modeling aspects of natural dynamos. Bringing together eminent international contributors, the book first introduces governing equations, outlines the kinematic dynamo theory, covers nonlinear effects, including amplitude saturation and polarity reversals, and discusses fluid dynamics. After establishing this base, the book describes the Earth's magnetic field and the current understanding of its characteristics. Subsequent chapters examine other planets in our solar system and the magnetic field of stars, including the sun. The book also addresses dynamo action on the large scale of galaxies, presents modeling experiments of natural dynamos, and speculates about future research directions. After reading this well-illustrated, thorough, and unified exploration, you will be well prepared to embark on your own journey through this fascinating area of research.

[Automating Science and Engineering Laboratories with Visual Basic](#) Courier Corporation

Holyhedrons - e-paper and mathematics - Icosa shelters. [Math Proofs Demystified](#) OUP Oxford

Although psychoanalytic theory is one of the most potent and influential tools in contemporary literary criticism, to date it has had very little impact on the study of African American literature. Critical methods from the disciplines of history, sociology, and cultural studies have dominated work in the field. Now, in this exciting new book by the author of [Domestic Allegories: The Black Heroine's Text at the Turn of the Century](#), Claudia Tate demonstrates that psychoanalytic paradigms can produce rich and compelling readings of African American textuality. With clear and accessible summaries of key concepts in Freud, Lacan, and Klein, as well as deft reference to the work of contemporary psychoanalytic critics of literature, Tate explores African- American desire, alienation, and subjectivity in neglected novels by Emma Kelley, W.E.B. Du Bois, Richard Wright, Zora Neale Hurston, and Nella Larsen. Her pioneering approach highlights African American textual realms within and beyond those inscribing racial

oppression and modes of black resistance. A superb introduction to psychoanalytic theory and its applications for African American literature and culture, this book creates a sophisticated critical model of black subjectivity and desire for use in the study of African American texts.

[Scala Data Analysis Cookbook](#) Wiley Global Education Updated and reorganized, each of the topics is thoroughly developed from fundamental principles. The assumptions, applicability and limitations of the methods are clearly discussed. Includes such advanced subjects as plasticity, creep, fracture, mechanics, flat plates, high cycle fatigue, contact stresses and finite elements. Due to the widespread use of the metric system, SI units are used throughout. Contains a generous selection of illustrative examples and problems.

[Baby Bar Prep](#) CRC Press

Navigate the world of data analysis, visualization, and machine learning with over 100 hands-on Scala recipes About This Book Implement Scala in your data analysis using features from Spark, Breeze, and Zeppelin Scale up your data analytics infrastructure with practical recipes for Scala machine learning Recipes for every stage of the data analysis process, from reading and collecting data to distributed analytics Who This Book Is For This book shows data scientists and analysts how to leverage their existing knowledge of Scala for quality and scalable data analysis. What You Will Learn Familiarize and set up the Breeze and Spark libraries and use data structures Import data from a host of possible sources and create dataframes from CSV Clean, validate and transform data using Scala to pre-process numerical and string data Integrate quintessential machine learning algorithms using Scala stack Bundle and scale up Spark jobs by deploying them into a variety of cluster managers Run streaming and graph analytics in Spark to visualize data, enabling exploratory analysis In Detail This book will introduce you to the most popular Scala tools, libraries, and frameworks through practical recipes around loading, manipulating, and preparing your data. It will also help you explore and make sense of your data using stunning and insightful visualizations, and machine learning toolkits. Starting with introductory recipes on utilizing the Breeze and Spark libraries, get to grips with how to import data from a host of possible sources and how to pre-process numerical, string, and date data. Next, you'll get an understanding of concepts that will help you visualize data using the Apache Zeppelin and Bokeh bindings in Scala, enabling exploratory data analysis. Discover how to program quintessential machine learning algorithms using Spark ML library. Work through steps to scale your machine learning models and deploy them into a standalone cluster, EC2, YARN, and Mesos. Finally dip into the powerful options presented by Spark Streaming, and machine learning for streaming data, as well as utilizing Spark GraphX. Style and approach This book contains a rich set of recipes that covers the full spectrum of interesting data analysis tasks and will help you revolutionize your data analysis skills using Scala and Spark.

[Basic Orthopaedic Sciences](#) International Society for Technology in Education

The 75th Anniversary edition of the [Fibre Box Handbook](#) is a full resource for those who use corrugated or work in the corrugated industry. Inside you'll find a wealth of information about: corrugated's history; its diverse applications; a range of common box styles; rules and guidelines governing its effective use; testing procedures ensuring optimal performance; and even corrugated's stellar role in the environment.

[Chaplains Manual](#) Academic Press

Cosmetic laser surgery is an exciting new alternative to traditional plastic surgical procedures designed to beautify and correct physical defects. The advantages of laser surgery are impressive: procedures take just minutes to perform; are often accomplished with only a local anesthetic; require no incisions, blood loss, or sutures; and involve minimal recovery periods. Lasers offer noninvasive treatment for an extensive—and growing—list of

conditions that previously required full-blown surgery to correct, including acne scars, tattoos, spider and varicose veins, birthmarks, crow 's feet, lines around the mouth, and excess or thinning hair. Despite all the benefits, however, it is imperative to remember that cosmetic laser surgery is surgery. Consumers considering elective cosmetic procedures must be well informed. [Beauty and the Beam](#) is an ideal source of information on this topic and will guide readers in selecting the safest and most experienced practitioner; describe what to expect in a facility; explain what each kind of surgery entails; and show how costs differ from region to region and from practitioner to practitioner. [Beauty and the Beam](#) answers nearly every question readers may have about this technology and provides step-by-step methods for evaluating their own needs and seeking the most qualified practitioner.

[Psychopathology](#) Packt Publishing Ltd

How mathematics helped build the world's most important buildings from early Egypt to the present From the pyramids and the Parthenon to the Sydney Opera House and the Bilbao Guggenheim, this book takes readers on an eye-opening tour of the mathematics behind some of the world's most spectacular buildings. Beautifully illustrated, the book explores the milestones in elementary mathematics that enliven the understanding of these buildings and combines this with an in-depth look at their aesthetics, history, and structure. Whether using trigonometry and vectors to explain why Gothic arches are structurally superior to Roman arches, or showing how simple ruler and compass constructions can produce sophisticated architectural details, Alexander Hahn describes the points at which elementary mathematics and architecture intersect. Beginning in prehistoric times, Hahn proceeds to guide readers through the Greek, Roman, Islamic, Romanesque, Gothic, Renaissance, and modern styles. He explores the unique features of the Pantheon, the Hagia Sophia, the Great Mosque of Cordoba, the Duomo in Florence, Palladio's villas, and Saint Peter's Basilica, as well as the U.S. Capitol Building. Hahn celebrates the forms and structures of architecture made possible by mathematical achievements from Greek geometry, the Hindu-Arabic number system, two- and three-dimensional coordinate geometry, and calculus. Along the way, Hahn introduces groundbreaking architects, including Brunelleschi, Alberti, da Vinci, Bramante, Michelangelo, della Porta, Wren, Gaudí, Saarinen, Utzon, and Gehry. Rich in detail, this book takes readers on an expedition around the globe, providing a deeper understanding of the mathematical forces at play in the world's most elegant buildings.

[Mathematical Models for the Study of the Reliability of Systems](#) John Benjamins Publishing

Following on from the highly successful first edition, published in 2006, the second edition of [Basic Orthopaedic Sciences](#) has been fully updated and revised, with every chapter rewritten to reflect the latest research and practice. The book encompasses all aspects of musculoskeletal basic sciences that are relevant to the practice of orthopaedics and that are featured and assessed in higher specialty exams. While its emphasis is on revision, the book contains enough information to serve as a concise textbook, making it an invaluable guide for all trainees in orthopaedics and trauma preparing for the FRCS (Tr & Orth) as well as for surgeons at MRCS level, and other clinicians seeking an authoritative guide. The book helps the reader understand the science that underpins the clinical practice of orthopaedics, an often neglected area in orthopaedic training, achieving a balance between readability and comprehensive detail. Topics covered include biomechanics, biomaterials, cell & microbiology, histology, structure & function, immunology, pharmacology, statistics, physics of imaging techniques, and kinesiology. [Mathematical Aspects of Natural Dynamos](#) CRC Press This book introduces the student to numerous modern applications of mathematics in technology. The authors write with clarity and present the mathematics in a clear and straightforward way making it an interesting and

easy book to read. Numerous exercises at the end of every section provide practice and reinforce the material in the chapter. An engaging quality of this book is that the authors also present the mathematical material in a historical context and not just the practical one. Mathematics and Technology is intended for undergraduate students in mathematics, instructors and high school teachers. Additionally, its lack of calculus centrality as well as a clear indication of the more difficult topics and relatively advanced references make it suitable for any curious individual with a decent command of high school math.

High Performance MySQL Routledge

Cytologic diagnosis by examination of exfoliated cells in serous cavity fluids is one of the most challenging areas in clinical cytopathology. Almost 20% of the effusions examined are directly or indirectly related to the presence of malignant disease, with carcinoma of the lung as the most common underlying culprit. This volume published in the Essentials in Cytopathology book series will fulfill the need for an easy-to-use and authoritative synopsis of site specific topics in cytopathology. These guide books fit into the lab coat pocket, ideal for portability and quick reference. Each volume is heavily illustrated with a full color art program, while the text follows a user-friendly outline format.

Basic Electrical Installation Work Wiley

In this new edition of a pioneering work, Seligson and Allenson explore the challenges which child care providers will encounter as the 21st century approaches. The manual guides the reader through the process of designing, implementing, and managing caring programs for children aged 5 to 12. Supported by work done at the School-Age Child Care Project of the Wellesley College Center for Research on Women, the present volume focuses on the needs of children, and provides examples of model programs as well as appropriate responses and recommendations for child care situations. By balancing this practical business operations text with an investigation into the meaning of social obligation, the authors have produced a fascinating blend of how-to and philosophy. This is an authoritative and indispensable resource.

Archaeology: A Very Short Introduction Gulf Professional Publishing

Some of the most effective coaches understand the fundamentals of sport psychology, which include interacting effectively with athletes, creating the optimal environment, assessing the psychological needs of their athletes, and even providing them with the mental training required to maximise performance. Fully revised and updated, the second edition of Psychology in Sports Coaching: Theory and Practice clearly and accessibly introduces the principles and practice of sport psychology in the context of the coaching process. Drawing on the very latest research and theory, the book introduces the psychological tools and techniques that coaches can use to get the best performances out of their athletes. Including six new chapters on applying self-determination principles in coaching, creating the optimal motivational climate, increasing motivation, developing anti-doping attitudes, promoting challenge states, and mindfulness-based stress reduction training, the book also offers step-by-step guidance on key topics such as: Assessing the needs of athletes Facilitating awareness through goal-setting and performance profiling Working with special populations, including children and injured athletes Building team cohesion Maximising relationships and socially supporting athletes Teaching mental skills such as imagery and coping Building mental toughness and confidence. Every chapter contains useful features to aid learning and understanding, including in-depth case studies, critical thinking questions, clear and concise summaries, and practice exam questions. Psychology in Sports Coaching: Theory and Practice is essential reading for any student of sports coaching or any practising coach looking to extend and develop their skills, and useful applied reading for students of sport psychology.

Barron's Guide to Making Investment Decisions

Createspace Independent Publishing Platform

Expanded coverage of essential math, including integral equations, calculus of variations, tensor analysis, and special integrals Math Refresher for Scientists and Engineers, Third Edition is specifically designed as a self-study guide to help busy professionals and students in science and engineering quickly refresh and improve the math skills needed to perform their jobs and advance their careers. The book focuses on practical applications and exercises that readers are likely to face in their professional environments. All the basic math skills needed to manage contemporary technology problems are addressed and presented in a clear, lucid style that readers familiar with previous editions have come to appreciate and value. The book begins with basic concepts in college algebra and trigonometry, and then moves on to explore more advanced concepts in calculus, linear algebra (including matrices), differential equations,

probability, and statistics. This Third Edition has been greatly expanded to reflect the needs of today's professionals. New material includes: * A chapter on integral equations * A chapter on calculus of variations * A chapter on tensor analysis * A section on time series * A section on partial fractions * Many new exercises and solutions Collectively, the chapters teach most of the basic math skills needed by scientists and engineers. The wide range of topics covered in one title is unique. All chapters provide a review of important principles and methods. Examples, exercises, and applications are used liberally throughout to engage the readers and assist them in applying their new math skills to actual problems. Solutions to exercises are provided in an appendix. Whether to brush up on professional skills or prepare for exams, readers will find this self-study guide enables them to quickly master the math they need. It can additionally be used as a textbook for advanced-level undergraduates in physics and engineering.

Segmental and Prosodic Issues in Romance Phonology Springer Science & Business Media

Basic Water and Wastewater Treatment discusses the water cycle, flow measurement, physical treatment processes, chemical treatment processes, biological treatment process, and sludge handling and treatment. The book also describes the use of the BASIC computer program to calculate problems involving water pollutants. Flow measurements involve the use of a gauging structure, velocity measurements of a known cross-section, or dilution gauging. To evaluate, in quantitative terms, the effects of a certain pollutant discharged and received by a body of water, the investigator can employ a tool in chemical dilution gauging—the mass balance analysis. Many microorganisms, organic and inorganic compounds degrade in a natural process of self-purification; their decay can be modeled as an exponential function. One standard of water treatment facility or wastewater treatment plant cannot be built to deal with all the various components of water pollution. The book cites relevant standards such as the EC Directive 80/778/EEC: "Quality of Water Intended for Human Consumption" in the EU; the "Safe Drinking Water Act" in the U.S.A.; and the "Guidelines for Drinking Water Quality" issued by the World Health Organization. The book describes water quality parameters, water supply sources, and wastewater collection, including its treatment and disposal.

SQL Server 2005 DBA Street Smarts University Science Books

A Volume in the Wiley-Interscience Series on Laboratory Automation. The complete, step-by-step guide to using Visual Basic(r) in a laboratory setting Visual Basic(r) is fast becoming the de facto laboratory programming language, yet existing books typically discuss applications that have nothing to do with science and engineering. This primer fills the gap in the field, showing professionals seeking to improve the productivity of their laboratories how to use Visual Basic(r) to automate laboratory processes. Automating Science and Engineering Laboratories with Visual Basic(r) helps laboratory professionals decide when and if to use Visual Basic(r) and how to combine it with the many computing technologies used in modern laboratories such as RS-232 port communications, TCP/IP networking, and event-driven control, to name a few. With an emphasis on getting readers programming immediately, the book provides clear guidelines to the appropriate programming techniques as well as custom-developed software tools. Readers will learn how to build applications to control laboratory instruments, collect and process experimental data, create interactive graphical applications, and more. Boasting many working examples with the complete source code and backward compatibility to previous versions of Visual Basic(r), Automating Science and Engineering Laboratories with Visual Basic(r) is an indispensable teaching tool for nonprogrammers and a useful reference for more experienced practitioners.