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3000 years of Chinese history presented through the lives of ninety-six illustrious participants from all periods and all parts of the country China is the most populous country on earth, with the longest history of any modern nation. Here, the full range of Chinese cultural and scientific achievements, as well as its military conquests, wars, rebellions, and political and philosophical movements, are told through the eyes of real people who created or were involved in them. The subjects include emperors and empresses, concubines, officials and political figures, rebels, exiles, philosophers, writers and poets, artists, musicians, scientists, military leaders, and committed pacifists. From Fu Hao, an early warrior lady of the thirteenth century BC, to the late twentieth-century leader Deng Xiaoping, their careers, achievements, misdeeds, disasters, punishments, ideas and love stories make this an unforgettable read. Illustrated with portraits, paintings, written documents, bronzes, sculptures, and location maps, and written in an authoritative yet accessible style, Chinese Lives provides the perfect introduction to China's history and her peoples.

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Materials and Technology for Sportswear and Performance Apparel takes a close look at the design and development of functional apparel designed for high-performance sportswear. Implementing materials, performance, technology, and design and marketing, the book examines this rapidly emerging textile market and outlines future directions and growing trends. The book begins by explaining how a comfort-driven focus has led the industry to embrace knitted fabric as a popular choice of constructional material. Using examples of leading brands, it outlines the basic terminology, structural details, and essential properties appropriate for performance apparel, especially for sportswear. This book describes the differences between woven and knitted structures, provides an understanding of fabric behavior and the characteristics of a functional garment, and outlines the importance of garment fit and consumer perception of garment comfort in its design and development. The authors present key research outcomes on the design and development of functional apparel designed for high-performance sportswear that explore smart materials, impact-resistant fabrics and pressure sensing. They consider the use of 3-D body scanning and its influence on pattern engineering for apparel product development; highlight the widely used fiber types for sportswear and the importance of fiber blends and their performance, and discuss the relevance of fabric structure and its interaction with the human body. The book also presents research on moisture management and temperature regulation and analyzes the performance and development of smart sportswear intended for monitoring health and performance for a range of end uses. A definitive guide detailing the future of functional clothing and sportswear, this book: Describes how to design and develop functional clothing for sportswear Reflects current research outcomes and industry requirements Clarifies with visual illustration, practical examples, and case studies an understanding of techniques and concepts Explores specifics of garment design such as fit, shape, function, fashion and design Focuses on a commitment to designing ethical and sustainable products

Many 'Change Management' initiatives end in fiasco, because they focus on processes and systems only and because they are based on wrong assumptions. But there is no change unless the change is behavioral. Viral Change™ will debunk these myths and show that, in Viral Change™ mode, people talk less about 'the programme' and do more in a way that infects other people, creating 'tipping points' where the new behaviors and the new changes become visible and sustainable. In short, Viral Change™ uses the networks of influence which are often below the radar of the organization chart to create internal infections of success. In this second revised edition, the author has further elaborated on influence mechanisms as well as added further insights with regard to viral leadership. These insights are firmly rooted in the author's own practical experience of successfully implementing and practicing Viral Change with his clients. The second revised edition of Viral Change™ will appeal to any reader who is interested in how organizations are rapidly evolving today and how understanding internal social networks is changing the way we should lead and manage. Viral Change is now more than ever THE manager's handbook on how to create sustainable change in organizations.

This popular introduction to engineering materials features completely rewritten chapters on non-metallic materials that reflect the significant advances in the field of ceramics and composite materials since the last edition and the increased industrial use of polymers. The sections devoted to metals and alloys have also been comprehensively updated and the examination of materials and process selection has been expanded.

Together but unbound, they must learn what it means to love completely, in the latest novel from the New York Times bestselling author of Wild Wolf. To cement the leadership of his North Carolina Shifertown, Bowman O'Donnell agreed to a "mating of convenience." Two powerful wolf shifters, he and Kenzie keep the pack in order and are adored by all. Bowman would do anything to protect Kenzie, for in each other's arms they've found far more than friendship. But as strong as their attachment is, they still haven't formed the

elusive mate bond?the almost magical joining of true mates. Now with a monster ravaging the countryside and threatening the Shifertown community, some in the pack fear that a pair without a true mate bond isn't strong enough to lead. Bowman and Kenzie will have to rely on their instinctive trust in one another to save their Shifters?and the ensuing battle will either destroy them or give them the chance to seize the love they've always craved.

“Materials Science in Manufacturing focuses on materials science and materials processing primarily for engineering and technology students preparing for careers in manufacturing. The text also serves as a useful reference on materials science for the practitioner engaged in manufacturing as well as the beginning graduate student. Integrates theoretical understanding and current practices to provide a resource for students preparing for advanced study or career in industry. Also serves as a useful resource to the practitioner who works with diverse materials and processes, but is not a specialist in materials science. This book covers a wider range of materials and processes than is customary in the elementary materials science books. This book covers a wider range of materials and processes than is customary in the elementary materials science books. * Detailed explanations of theories, concepts, principles and practices of materials and processes of manufacturing through richly illustrated text * Includes new topics such as nanomaterials and nanomanufacturing, not covered in most similar works * Focuses on the interrelationship between Materials Science, Processing Science, and Manufacturing Technology

New edition of this annual bestseller of fascinating facts and figures about the world we live in. The 2007 edition of this annual bestseller has been completely updated, revised and refreshed, with expanded coverage that includes many new features. As regulars will know, it contains rankings on more than 200 topics in subject areas as wide-ranging as geography, population, business, the economy, trade, transport, finance, industry, demographics, the environment, society, culture and crime. If you want to know: * the highest mountain or longest river* where economic growth is fastest or inflation is highest*who consumes the most energy*where computer and mobile phone ownership is highest*which countries have the most asylum seekers* who spends most, and who spends least, on health*the heaviest drinkers and smokers*who recycles most*facts about teenage obesity and drug use* the countries ranked highest and lowest for environmental sustainability The 2007 edition of this annual bestseller has the answers to all these questions and more. It has been completely updated and revised, now containing facts on more than 200 topics, data on 182 countries and profiles of more than 65 of the world's major economies. No well-informed person can afford to be without it.

Although it arose from purely theoretical considerations of the underlying axioms of geometry, the work of Einstein and Dirac has demonstrated that hyperbolic geometry is a fundamental aspect of modern physics. In this book, the rich geometry of the hyperbolic plane is studied in detail, leading to the focal point of the book, Poincare's polygon theorem and the relationship between hyperbolic geometries and discrete groups of isometries. Hyperbolic 3-space is also discussed, and the directions that current research in this field is taking are sketched. This will be an excellent introduction to hyperbolic geometry for students new to the subject, and for experts in other fields.

Wavelet theory had its origin in quantum field theory, signal analysis, and function space theory. In these areas wavelet-like algorithms replace the classical Fourier-type expansion of a function. This unique new book is an excellent introduction to the basic properties of wavelets, from background math to powerful applications. The authors provide elementary methods for constructing wavelets, and illustrate several new classes of wavelets. The text begins with a description of local sine and cosine bases that have been shown to be very effective in applications. Very little mathematical background is needed to follow this material. A complete treatment of band-limited wavelets follows. These are characterized by some elementary equations, allowing the authors to introduce many new wavelets. Next, the idea of multiresolution analysis (MRA) is developed, and the authors include simplified presentations of previous studies, particularly for compactly supported wavelets. Some of the topics treated include: Several bases generated by a single function via translations and dilations Multiresolution analysis, compactly supported wavelets, and spline wavelets Band-limited wavelets Unconditionality of wavelet bases Characterizations of many of the principal objects in the theory of wavelets, such as low-pass filters and scaling functions The authors also present the basic philosophy that all orthonormal wavelets are completely characterized by two simple equations, and that most properties and constructions of wavelets can be developed using these two equations. Material related to applications is provided, and constructions of splines wavelets are presented.

Mathematicians, engineers, physicists, and anyone with a mathematical background will find this to be an important text for furthering their studies on wavelets.

Briefly discusses the traditional mathematics formerly taught in American schools and views the language and weaknesses of the modern math curriculum

This book provides a rigorous yet elementary introduction to the theory of analytic functions of a single complex variable. While presupposing in its readership a degree of mathematical maturity, it insists on no formal prerequisites beyond a sound knowledge of calculus. Starting from basic definitions, the text slowly and carefully develops the ideas of complex analysis to the point where such landmarks of the subject as Cauchy's theorem, the Riemann mapping theorem, and the theorem of Mittag-Leffler can be treated without sidestepping any issues of rigor. The emphasis throughout is a geometric one, most pronounced in the extensive chapter dealing with conformal mapping, which amounts essentially to a "short course" in that important area of complex function theory. Each chapter concludes with a wide selection of exercises, ranging from straightforward computations to problems of a more conceptual and thought-provoking nature.

Wildcat shifter Eric Warden, the leader of his pack, finds his protective side taking over when he meets Iona Duncan, a half-Shifter wildcat who hasn't acknowledged her true nature or mating hunger, which could kill her. Original.

In letters written between 1937 and 1959, Chandler comments on his work and characters, fellow mystery and detective fiction writers, world events, and life in California

One distinct feature of human society since the dawn of civilization is the systematic use of inorganic building materials, such as natural stone, unburnt and burnt soil, adobe and brick, inorganic binders like lime and cement, and reinforced concrete. Our heritage has cultural, architectural and technological value and preserving such structures is a key issue today. Planners and conservation scientists need detailed site surveys and analyses to create a database that will serve to guide subsequent actions. One factor in this knowledge base is an understanding of how historic materials were prepared and the crucial properties that influence their long-term behaviour. Any assessment of the way such

materials perform must crucially be based on an understanding of the methods used for their analysis. The editors here add to the knowledge base treating the materials used in historic structures, their properties, technology of use and conservation, and their performance in a changing environment. The book draws together 18 chapters dealing with the inorganic materials used in historic structures, such as adobe, brick, stone, mortars, concrete and plasters. The approach is complex, covering material characterisation as well as several case studies of historic structures from Europe, including Germany, Ireland, Italy, Poland, Portugal, Scotland, Slovenia and Spain, and the My Sōn Temples in Vietnam. An equally important component of the book covers the analysis of materials, together with a treatment of sustainable development, such as the protection of monuments from earthquakes and climate change. The authors are all leading international experts, drawn from a variety of backgrounds: architecture, civil engineering, conservation science, geology and material science, with close links to professional organisations such as ICOMOS or universities and research centres throughout Europe.

Audience: This book will be of interest to geologists, engineers, restorers, consulting engineers, designers and other professionals dealing with cultural heritage and sustainable development. Also graduate students in applied geo-science (mineralogy, geochemistry, petrology), architecture and civil engineering will find interesting information in this book. The Loves and Dark Secrets of an Icon This book follows the loves of Carla Nelson, a young woman, who early in life lost her first husband. On taking work at an Export firm she starts working for Joseph Helligman, a minister who has lost his calling. They, and another partner (Raz Pootin) move to Florida, where the two men start a new movement, The Love of Life Assembly (LOLA). The development of this Church is rapid, due to the success the ministers have in healing and in making people more successful. One parishioner (Eva Maria Kreutz) claims to have been visited by the Holy Ghost, and indeed gives birth on the 25th of December. She dies shortly afterwards (and disappears) during a thunderstorm, and her image magically appears on a large glass pane. This further boosts the popularity of the movement. The movement gets involved in a series of court trials, all successfully represented by a lawyer (Zenas). Carla's marriage to Helligman is seemingly rock-solid, particularly because of her respect for his integrity. However, in a dramatic conclusion, Helligman is killed (assumedly) by a religious rival, and is then the martyr that establishes the Assembly as a religion of lasting power. At his deathbed he, however, confesses to Carla parts of his life that quite belie his "integrity," and in disgust she leaves the movement with another parishioner (Grundweg). Although the assassin is, in public opinion, Helligman's rival, it is far from certain, and the true culprit is not revealed until late in the book.

If you are a Node.js developer who wants to take your Express skills to the next level and develop high performing, reliable web applications using best practices, this book is ideal for you. The only prerequisite is knowledge of Node.js.

This volume is an enlarged edition of a classic textbook on complex analysis. In addition to the classical material of the first edition it provides a concise and accessible treatment of Loewner theory, both in the disc and in the half-plane. Some of the new material has been described in research papers only or appears here for the first time. Each chapter ends with exercises.

Provides an introduction to the results, methods and ideas which are now commonly studied in abstract algebra courses

After finding a magic box, Ellie, Summer, and Jasmine are whisked away to a fantasy world where they must help Trixi the pixie find six dangerous thunderbolts hidden by the land's evil queen.

A new and updated edition of bestselling Mastering VMware vSphere 4 Written by leading VMware expert, this book covers all the features and capabilities of VMware vSphere. You'll learn how to install, configure, operate, manage, and secure the latest release. Covers all the new features and capabilities of the much-anticipated new release of VMware vSphere Discusses the planning, installation, operation, and management for the latest release Reviews migration to the latest vSphere software Offers hands-on instruction and clear explanations with real-world examples Mastering VMware vSphere is the strategic guide you need to maximize the opportunities of virtualization.

The book has been completely rewritten for this new edition. While most of the material found in the earlier editions has been retained, though in changed form, there are considerable additions, in which extensive use is made of Fourier transform techniques, Hilbert space, and finite difference methods. A condensed version of the present work was presented in a series of lectures as part of the Tata Institute of Fundamental Research -Indian Institute of Science Mathematics Programme in Bangalore in 1977. I am indebted to Professor K. G. Ramanathan for the opportunity to participate in this exciting educational venture, and to Professor K. Balagangadharan for his ever ready help and advice and many stimulating discussions. Very special thanks are due to N. Sivaramakrishnan and R. Mythili, who ably and cheerfully prepared notes of my lectures which I was able to use as the nucleus of the present edition. A word about the choice of material. The constraints imposed by a partial differential equation on its solutions (like those imposed by the environment on a living organism) have an infinite variety of consequences, local and global, identities and inequalities. Theories of such equations usually attempt to analyse the structure of individual solutions and of the whole manifold of solutions by testing the compatibility of the differential equation with various types of additional constraints.

Quick Calculus 2nd Edition A Self-Teaching Guide Calculus is essential for understanding subjects ranging from physics and chemistry to economics and ecology. Nevertheless, countless students and others who need quantitative skills limit their futures by avoiding this subject like the plague. Maybe that's why the first edition of this self-teaching guide sold over 250,000 copies. Quick Calculus, Second Edition continues to teach the elementary techniques of differential and integral calculus quickly and painlessly. Your "calculus anxiety" will rapidly disappear as you work at your own pace on a series of carefully selected work problems. Each correct answer to a work problem leads to new material, while an incorrect response is followed by additional explanations and reviews. This updated edition incorporates the use of calculators and features more applications and examples. ".makes it possible for a person to delve into the mystery of calculus without being mystified." --Physics Teacher

Vitello wants to be a tough guy, and with his mum's butter knife tucked in his belt he plans to be rude to everyone and not scared of anything. Particularly not stupid dogs... Vitello lives in a terraced house by a ring road with his mum, where the traffic is noisy and his friends are annoying. He's had other adventures and been in other scrapes too.

Incomparable New York Times bestselling author Dick Francis offers a compelling tale of fine living, fast horses, and shattering suspense... Wine merchant Tony Beach has expertly catered his latest society soiree, but the fun's over when a team of hit men crash the party...literally. The event leaves Tony with a bitter aftertaste of suspicion—and sets off a mystery that's an intoxicating blend of deception, intrigue, and murder.

Traces the eccentric life of legendary mathematician Paul Erdos, a wandering genius who fled his native Hungary during the Holocaust and helped devise the mathematical basis of computer science.

The new Longman Academic Writing Level 4 has been transformed into a digital experience. The Interactive Student Book, powered by MyEnglishLab, allows students and teachers to better assess the writing process. Teachers can now monitor student performance to personalize learning and increase student motivation. The Longman Academic Writing Series helps students master the academic writing skills needed to succeed in their academic careers. The five-level series spans writing topics from composing sentences to writing research papers. Each level covers the complete writing process from prewriting to revision. Level 4 teaches high-intermediate students to write various genres of academic essays. The text's proven approach integrates training in grammar, mechanics, vocabulary, and essay organization along with the writing process. Highlights: All activities report to the gradebook, enabling teachers and students to track progress after every activity. Timed and untimed writing options allow students to write coherently and fluently under timed conditions. Model answers for essays provide students with feedback to create a final writing assignment. Students receive immediate results on a variety of activity types, allowing them to take control of their writing.

Accelerated design and development of new advanced materials with improved performance characteristics and their successful insertion in engineering practice are largely hindered by the lack of a rigorous mathematical framework for the robust generation of microstructure informatics relevant to the specific application. In this chapter, we describe a set of novel data-driven, computationally efficient protocols that are capable of accelerating significantly the process of building the necessary microstructure informatics for a targeted application. Specific applications in establishing processing–structure–property linkages are discussed as representative examples of how data science can potentially transform the current practices in the materials design and development arena.

Master the art of providing effective IT services to your customers by leveraging Zendesk About This Book Deep dive into the functionalities of Zendesk and improve your organization's customer services Learn how to expand the capabilities of Zendesk by integrating and extending it with third-party tools A master level guide that manages tickets, channels, and workflows along with advanced security features Who This Book Is For This book is for proficient Zendesk administrators who want to unlock the full potential of their Zendesk environment by gaining a deeper understanding of Zendesk's advanced customization options. What You Will Learn Customize ticket channels such as Email, Twitter, Facebook, and Web-Widget Add business rules to create a more effective and automated Zendesk environment Use Zendesk apps to add more functionality to the Zendesk setup Extend Zendesk with JIRA and Salesforce Create custom metrics within GoodData in order to set up customized and automated reports Learn how to secure and troubleshoot Zendesk In Detail Zendesk is a cloud-based customer service solution that is widely used because it is easy, efficient, flexible, and low cost. It is highly scalable and is great for organizations of all sizes. If you're a Zendesk administrator and are looking to explore advanced-level concepts, then this book is for you. It covers the core functionalities such as managing users, groups, and the organization, and creating and adding custom fields. You will learn how to add customized ticket channels to your account. Then, you will focus on customizing business rules and extending Zendesk with JIRA and Salesforce. Towards the end, the book emphasizes security and troubleshooting aspects as well as providing tips and tricks to create a more efficient support environment. By the end of this book, you will be able to turn a basic Zendesk setup into a highly customized working environment. Style and approach This advanced guide provides easy to understand examples to ensure you gain expertise with Zendesk.

Author Christopher Beorkrem shows how material performance drives the digital fabrication process and determines technique. He has recreated and dissected thirty-six of the most progressive works of architecture of the last few years, with perspectives from the designers so that you can learn from the successes and failures of each project. Including step-by-step diagrams and using consistent language and the simplest construction techniques, he identifies the important characteristics of each material, including connection types, relative costs, deformation, color, texture, finish, dimensional properties, durability, and weathering and waterproofing to link the design outcomes to form. The book is divided into five parts by material – wood, metal, concrete, hybrids, and recycled – to help you reference construction techniques for the fabrication machines you have on-hand.

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