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Spectral Methods for Uncertainty Quantification Elsevier
The implementation of Enterprise Networks or e-Networking is of paramount importance for organisations. Enterprise-wide networking would warrant that the components of information architecture are organised to harness more out of the organisation's computing power on the desktop. This would also involve establishment of networks that link the various but important subsystems of the enterprise. Our firm belief is that in order to gain a competitive edge the organisations need knowledge and sound strategy. This conviction is particularly true today, considering the pressures from international competition, environmental concerns and complicated ethical issues. This book, entitled A Manager's Primer on e-Networking, negotiates the hyper dimensions of the Internet through stories from myriad of Web sites with its fluent presentation and simple but chronological organisation of topics highlighting numerous opportunities and providing a solid starting point not only for inexperienced entrepreneurs and managers but anyone interested in applying information technology in the business. I sincerely hope the book will help as well many small and medium size companies and organisations to launch corporate networking successfully in order to attain their strategic objectives. Rajiv Jayashankar, Ph. D.
Solaris PC Netlink Springer Science & Business Media
Across the DivideImages Publishing
Use of Services for Family Planning and Infertility, United States SIAM
Show your PC who's boss Nothing's more annoying than a tech malfunction, especially when it's your PC—with the exception of perhaps wading through reams of random, unreliable theories online looking for a solution, or paying an expensive tech geek to show up to perform a five-minute fix. The latest edition of Troubleshooting & Maintaining Your PC All-in-One For Dummies puts all this frustration behind you and gets you straight to work solving the problem yourself! In his straightforward, friendly style, Dan Gookin—bestselling tech author and all-round Mr. Fixit—packs everything you need to know into 5-books-in-1, giving you the knowledge and process to hit on the right solution, fast. From identifying common problems to methodically narrowing down to the correct fix, you'll save hours of frustrating research—and experience the sweet, righteous satisfaction of having achieved it all yourself. Pick up quick fixes Understand and reconnect networks Restore memory Boost your PC's performance Every problem has a solution and PCs are no different: get this book and you'll never catch yourself shouting at your monitor or frustrated with the motherboard again—well, maybe not quite so often.
Thermodynamics of the Earth and Planets Springer Science & Business Media
Discussing specific depositions of a wide range of semiconductors and properties of the

resulting films, Chemical Solution Deposition of Semiconductor Films examines the processes involved and explains the effect of various process parameters on final film and film deposition outcomes through the use of detailed examples. Supplying experimental res
Pseudo-Complex General Relativity Springer Science & Business Media
Presents the successful fifty-year career of the technology executive, from her beginnings in the computer industry of the 1960s, to the founding of her own company with the advent of personal computers in the 1980s, to the development of a series of eLearning products.
Windows NT, UNIX, NetWare Migration/Coexistence BoD – Books on Demand
Like most academic authors, my views are a joint product of my teaching and my research. Needless to say, my views reflect the biases that I have acquired. One way to articulate the rationale (and limitations) of my biases is through the preface of a truly great text of a previous era, Cooley and Lohnes (1971, p. v). They draw a distinction between mathematical statisticians whose intel lect gave birth to the field of multivariate analysis, such as Hotelling, Bartlett, and Wilks, and those who chose to "concentrate much of their attention on methods of analyzing data in the sciences and of interpreting the results of statistical analysis . . . . (and) . . . who are more interested in the sciences than in mathematics, among other characteristics. " I find the distinction between individuals who are temperamentally "mathe maticians" (whom philosophy students might call "Platonists") and "scientists" ("Aristotelians") useful as long as it is not pushed to the point where one assumes "mathematicians" completely disdain data and "scientists" are never interested in contributing to the mathematical foundations of their discipline. I certainly feel more comfortable attempting to contribute in the "scientist" rather than the "mathematician" role. As a consequence, this book is primarily written for individuals concerned with data analysis. However, as noted in Chapter 1, true expertise demands familiarity with both traditions.
Phthalocyanine Research and Applications Images Publishing
Introducing Microsoft's flagship wireless development tool The .NET Mobile Web Developer's Guide will provide readers with a solid guide to developing mobile applications using Microsoft technologies. The focus of this book is on using ASP.NET and the .NET mobile SDK. It provides an introduction to the .NET platform and goes into moderate details on ASP.NET to allow readers to start developing ASP.NET applications. In addition, this book will give the readers the insight to use the various Microsoft technologies for developing mobile applications. This book assumes the readers have experience in developing web applications and are familiar with any one of the server-side technologies like ASP, JSP or PHP. The first book available on Microsoft's cornerstone wireless development tool Best selling, high profile authors. Wei Meng Lee and Shelley Powers are frequent speakers at all of the major developer conferences have previously authored best selling books for O'Reilly and Associates,

Wrox Press, SAMS and Que Comes with wallet-sized CD containing a printable HTML version of the book, all of the source code examples and demos of popular ASP .NET and .NET Mobile programming tools Comprehensive Coverage of the .NET Mobile SDK and ASP.NET for Mobile Web developers

Chemical Solution Deposition Of Semiconductor Films John Wiley & Sons

This book explores the role of singularities in general relativity (GR): The theory predicts that when a sufficient large mass collapses, no known force is able to stop it until all mass is concentrated at a point. The question arises, whether an acceptable physical theory should have a singularity, not even a coordinate singularity. The appearance of a singularity shows the limitations of the theory. In GR this limitation is the strong gravitational force acting near and at a super-massive concentration of a central mass. First, a historical overview is given, on former attempts to extend GR (which includes Einstein himself), all with distinct motivations. It will be shown that the only possible algebraic extension is to introduce pseudo-complex (pc) coordinates, otherwise for weak gravitational fields non-physical ghost solutions appear. Thus, the need to use pc-variables. We will see, that the theory contains a minimal length, with important consequences. After that, the pc-GR is formulated and compared to the former attempts. A new variational principle is introduced, which requires in the Einstein equations an additional contribution. Alternatively, the standard variational principle can be applied, but one has to introduce a constraint with the same former results. The additional contribution will be associated to vacuum fluctuation, whose dependence on the radial distance can be approximately obtained, using semi-classical Quantum Mechanics. The main point is that pc-GR predicts that mass not only curves the space but also changes the vacuum structure of the space itself. In the following chapters, the minimal length will be set to zero, due to its smallness. Nevertheless, the pc-GR will keep a remnant of the pc-description, namely that the appearance of a term, which we may call "dark energy", is inevitable. The first application will be discussed in chapter 3, namely solutions of central mass distributions. For a non-rotating massive object it is the pc-Schwarzschild solution, for a rotating massive object the pc-Kerr solution and for a charged massive object it will be the Reissner-Nordström m solution. This chapter serves to become familiar on how to resolve problems in pc-GR and on how to interpret the results. One of the main consequences is, that we can eliminate the event horizon and thus there will be no black holes. The huge massive objects in the center of nearly any galaxy and the so-called galactic black holes are within pc-GR still there, but with the absence of an event horizon! Chapter 4 gives another application of the theory, namely the Robertson-Walker solution, which we use to model different outcomes of the evolution of the universe. Finally the capability of this theory to predict new phenomena is illustrated.

Across the Divide Que Publishing

Pro DNS and BIND 10 guides you through the challenging array of features surrounding DNS with a special focus on the latest release of BIND, the world's most popular DNS implementation. This book unravels the mysteries of DNS, offering insight into origins, evolution, and key concepts like domain names and zone files. This book focuses on running DNS systems based on BIND 10, the first stable release that includes support for the latest DNSSEC standards. Whether you administer a DNS system, are thinking about running one, or you simply want to understand the DNS system, then this book for you. Pro DNS and BIND 10 starts with simple concepts, then moves on to full security-aware DNSSEC configurations. Various features, parameters, and Resource Records are described and illustrated with examples. The book contains a complete reference to zone files, resource records, and BIND's configuration file parameters. You can treat the book as a simple paint-by-numbers guide to everything from a simple caching DNS to the most complex secure DNS (DNSSEC) implementation. Background information is included for when you need to know what to do and why you have

to do it, and so that you can modify processes to meet your unique needs.

Student Solutions Manual for Zumdahl/DeCoste's Chemical Principles, 7th Course Technology Ptr
Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Fuzzy Evidence in Identification, Forecasting and Diagnosis Waveland Press

"If you have ever been confused by traditional acid-base teaching and want a deeper and practical understanding of the subject, this is the book for you! You will be rewarded." -- Acid-Base balance is pivotal in medicine and the biosciences. Almost 30 years ago, Peter A Stewart introduced his approach to acid-base which has now become the method of choice. This textbook incorporates his original publication, complemented by over 20 new chapters. These discuss recent developments in acid-base medicine using the same clear and concise style. There is extensive focus on practical clinical application of the Stewart approach. Highly recommended for everyone that seeks to understand, apply or practice acid-base medicine and physiology. This includes consultants, fellows and residents in critical care medicine, anesthesiology, internal medicine, emergency medicine and surgery; physicians in other branches of medicine; physiologists; veterinarians; bioscientists; and medical students.

Pro DNS and BIND 10 World Scientific

The purpose of this book is to present a methodology for designing and tuning fuzzy expert systems in order to identify nonlinear objects; that is, to build input-output models using expert and experimental information. The results of these identifications are used for direct and inverse fuzzy evidence in forecasting and diagnosis problem solving. The book is organised as follows: Chapter 1 presents the basic knowledge about fuzzy sets, genetic algorithms and neural nets necessary for a clear understanding of the rest of this book. Chapter 2 analyzes direct fuzzy inference based on fuzzy if-then rules. Chapter 3 is devoted to the tuning of fuzzy rules for direct inference using genetic algorithms and neural nets. Chapter 4 presents models and algorithms for extracting fuzzy rules from experimental data. Chapter 5 describes a method for solving fuzzy logic equations necessary for the inverse fuzzy inference in diagnostic systems. Chapters 6 and 7 are devoted to inverse fuzzy inference based on fuzzy relations and fuzzy rules. Chapter 8 presents a method for extracting fuzzy relations from data. All the algorithms presented in Chapters 2-8 are validated by computer experiments and illustrated by solving medical and technical forecasting and diagnosis problems. Finally, Chapter 9 includes applications of the proposed methodology in dynamic and inventory control systems, prediction of results of football games, decision making in road accident investigations, project management and reliability analysis. *Group Theory and General Relativity* Springer Science & Business Media Data analysis is a vital part of science today, and in assessing quality, multivariate analysis is often necessary in order to avoid loss of essential information. Martens provides a powerful and versatile methodology that enables researchers to design their investigations and analyse data effectively and safely, without the need for formal statistical training. * Offers an introductory explanation of multivariate analysis by graphical 'soft modelling' * Minimises mathematics, providing all technical details in the appendix * Presents itself in an accessible style with cartoons, self-assessment questions and a wide range of practical examples * Demonstrates the methodology for various types of quality assessment, ranging from human quality perception via industrial quality monitoring to environmental quality and its molecular basis All data sets available FREE online on "Chemometrics World" (http://www.wiley.co.uk/wileychi/chemometrics)

Windows 7 Annoyances Apress

The book includes the C source code of the methods introduced in

each chapter."--BOOK JACKET.

Scatter Search Prentice Hall Professional

This reference explains hybrid-Trefftz finite element method (FEM). Readers are introduced to the basic concepts and general element formulations of the method. This is followed by topics on non-homogeneous parabolic problems, thermal analysis of composites, and heat conduction in nonlinear functionally graded materials. A brief summary of the fundamental solution based-FEM is also presented followed by a discussion on axisymmetric potential problems and the rotordynamic response of tapered composites. The book is rounded by chapters that cover the n-sided polygonal hybrid finite elements and analysis of piezoelectric materials. Key Features - Systematic presentation of 9 topics - Covers FEMs in two sections: 1) hybrid-Trefftz method and 2) fundamental FEM solutions - Bibliographic references - Includes solutions to problems in the numerical analysis of different material types - Includes solutions to some problems encountered in civil engineering (seepage, heat transfer, etc). This reference is suitable for scholars involved in advanced courses in mathematics and engineering (civil engineering/materials engineering). Professionals involved in developing analytical tools for materials and construction testing can also benefit from the methods presented in the book.

.NET Mobile Web Developers Guide John Wiley & Sons

Explains how to improve Windows 7 and do more with the software than Microsoft intended, with helpful information on setup, installation, upgrade from other Windows versions, the new interface, new security features, user accounts, troubleshooting, and In

Building a VoIP Network with Nortel's Multimedia Communication Server 5100 Springer

Microsoft Press features the only comprehensive, solutions-based resource for both small business network service providers and their customers, with information on installing and administering BackOffice 4.5. CD offers templates for project-management and proposal-building tasks, HTML code and scripts, Microsoft Exchange Server, and Microsoft Small Business Server console.

Wireless Networking Made Easy Elsevier

Aquatic chemistry students need a solid foundation in fundamental concepts as well as numerical techniques for solving the variety of problems they will encounter as practicing engineers. For over a decade, Mark Benjamin's Water Chemistry has brought to the classroom a balanced coverage of fundamentals and analytical algorithms in a student-friendly, accessible way. The text distinguishes itself with longer and more detailed explanations of the relevant chemistry and mathematics, allowing students to understand not only which techniques work best for a given application, but also why those techniques should be applied and what their limitations are. The end result is a solid, thorough framework for comprehending equilibrium in complex aquatic systems. The second edition includes a thorough introductory explanation of chemical reactivity and a new chapter on reaction kinetics, providing much-needed context, as well as full treatments of the tableau method and TOTH equation. The discussion of the thermodynamic perspective on chemical reactivity has been extensively revised. The entire book now integrates Visual Minteq—the most popular software for analyzing chemical equilibria—into the problem-solving approach. Additional exercises range more widely in difficulty, giving instructors more flexibility and diversity in their assignments.

C++ for Professional Programming with PC and UNIX Applications Cuvillier Verlag

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Aqueous Systems at Elevated Temperatures and Pressures Que Publishing

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