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Mastering Windows XP Home Edition - Guy Hart-Davis 2006-02-20
The Only Windows XP Home Edition Resource You Need—Now Completely Updated Here's the insider knowledge you need to maximize Microsoft's powerful home operating system, whether you're moving straight to XP or upgrading from Windows 98 or Me. This encyclopedic guide delivers full coverage of every topic from installation and multimedia, to security and networking. Beginners can start off by using Windows XP on a stand-alone computer and connecting to the Internet, while experienced users can quickly build and secure a home network, work with the Registry to change XP's behavior, and optimize and troubleshoot Windows XP. Coverage includes: Upgrading from Windows 98 or Me Taking full advantage of XP multi-user support Customizing Windows XP Installing, removing, and running programs Sharing files securely--or keeping them private Adding hardware and installing drivers Connecting your computer or network to the Internet Sending secure e-mail and minimizing spam Communicating via the latest versions of Windows Messenger Using Windows Firewall Getting and giving help via the Internet Enjoying audio, video, and DVDs with Windows Media Player 10 Burning audio and data CDs Building a secure home network Using Microsoft PowerToys Using VPNs and connecting to a company network Setting up wireless networks with Wi-Fi Protected Access (WPA)
Finite Groups 2003 - Chat Yin Ho 2004-01-01
Dieser Band ist eine Sammlung von Forschungsartikeln zu endlichen Gruppen. Die behandelten Themen umfassen die Klassifikation von endlichen einfachen Gruppen, die Theorie der p-Gruppen, die Kohomologie von Gruppen, die Darstellungstheorie und die Theorie der Gebäude und der Geometrie.
Business Plans Handbook - Kristin Mallegg 2016
"Actual business plans compiled by, and aimed at, entrepreneurs seeking funding for small businesses. Presents sample plans taken from businesses in the manufacturing, retail and service industries which serve as examples of how to approach, structure and compose business plans."--Résumé de l'éditeur.
Automatic Speech and Speaker Recognition - Joseph Keshet 2009-04-27
This book discusses large margin and kernel methods for speech and speaker recognition Speech and Speaker Recognition: Large Margin and Kernel Methods is a collation of research in the recent advances in large margin and kernel methods, as applied to the field of speech and speaker recognition. It presents theoretical and practical foundations of these methods, from support vector machines to large margin methods for structured learning. It also provides examples of large margin based acoustic modelling for continuous speech recognizers, where the grounds for practical large margin sequence learning are set. Large margin methods for discriminative language modelling and text independent speaker verification are also addressed in this book. Key Features: Provides an up-to-date snapshot of the current state of research in this field Covers important aspects of extending the binary support vector machine to speech and speaker recognition

applications Discusses large margin and kernel method algorithms for sequence prediction required for acoustic modeling Reviews past and present work on discriminative training of language models, and describes different large margin algorithms for the application of part-of-speech tagging Surveys recent work on the use of kernel approaches to text-independent speaker verification, and introduces the main concepts and algorithms Surveys recent work on kernel approaches to learning a similarity matrix from data This book will be of interest to researchers, practitioners, engineers, and scientists in speech processing and machine learning fields.

Nanotechnology Challenges - Joachim Schummer 2006

This book introduces the latest methods for the controlled growth of nanomaterial systems. The coverage includes simple and complex nanomaterial systems, ordered nanostructures and complex nanostructure arrays, and the essential conditions for the controlled growth of nanostructures with different morphologies, sizes, compositions, and microstructures. The book also discusses the dynamics of controlled growth and thermodynamic characteristics of two-dimensional nanorestricted systems. The authors introduce various novel synthesis methods for nanomaterials and nanostructures, such as hierarchical growth, heterostructures growth, doping growth and some developing template synthesis methods. In addition to discussing applications, the book reviews developing trends in nanomaterials and nanostructures.

Bio-inspired Algorithms for the Vehicle Routing Problem - Francisco Baptista Pereira 2008-09-10

The vehicle routing problem (VRP) is one of the most famous combinatorial optimization problems. In simple terms, the goal is to determine a set of routes with overall minimum cost that can satisfy several geographical scattered - mands. A ?eet of vehicles located in one or more depots is available to ful?ll the requests. A large number of variants exist, adding di?erent constraints to the original de?nition. Some examples are related to the number of depots, the ordering for visiting the customers or to time windows specifying a desirable period to arrive to a given location. The original version of this problem was proposed by Dantzig and Ramser in 1959 [1]. In their seminal paper, the authors address the calculation of a set of optimal routes for a ?eet of gasoline delivery trucks. Since then, the VRP has attractedtheattentionofalargenumberofresearchers.Aconsiderablepartofits success is a consequence of its practical interest, as it resembles many real-world problems faced everyday by distribution and transportation companies, just to mention a few applications areas. In this context, the development of e?cient optimization techniques is crucial. They are able to provide new and enhanced solutionstologisticoperations,andmaythereforelead toasubstantialreduction in costs for companies. Additionally, and from a research oriented perspective, the VRP is a challenging NP-hard problem providing excellent benchmarks to access the e?ciency of new global optimization algorithms.

New Optimization Algorithms in Physics - Alexander K. Hartmann 2006-03-06

Many physicists are not aware of the fact that they can solve their problems by applying optimization algorithms. Since the number of such algorithms is steadily increasing, many new algorithms have not been presented comprehensively until now. This presentation of recently developed algorithms applied in physics, including demonstrations of how they work and related results, aims to encourage their application, and as such the algorithms selected cover concepts and methods from statistical physics to optimization problems emerging in theoretical computer science.

Spin Dynamics in Confined Magnetic Structures I - Burkard Hillebrands 2003-07-01

Introductory chapters help newcomers to understand the basic concepts, and the more advanced chapters give the current state of the art for most spin dynamic issues in the milliseconds to femtoseconds range. Emphasis is placed on both the discussion of the experimental techniques and on the theoretical work. The comprehensive presentation of these developments makes this volume very timely and valuable for every researcher working in the field of magnetism.

Spin Dynamics in Confined Magnetic Structures II - Burkard Hillebrands 2003-03-12

This second volume of the book on spin dynamics in confined magnetic structures covers central aspects of spin dynamic phenomena, so that researchers can find a comprehensive compilation of the current work in the field. Introductory chapters help newcomers to understand the basic concepts, and the more advanced chapters give the current state of the art for most spin dynamic issues in the milliseconds to femtoseconds range. Both experimental techniques and theoretical work are discussed. The comprehensive presentation of these developments makes this volume very timely and valuable for every researcher working in the field of magnetism. It describes the new experimental techniques which have advanced this field very rapidly. Among the techniques covered, particular attention is given to those involving high temporal, elemental and spatial resolution as well as to techniques involving magnetic field pulses with very short rise times and durations.

Electron Correlation in New Materials and Nanosystems - Kurt Scharnberg 2007-05-24

The articles collected in this book cover a wide range of materials with extraordinary superconducting and magnetic properties. For many of the materials studied, strong electronic correlations provide a link between these two phenomena which were long thought to be highly antagonistic. The book reports both the progress in our understanding of fundamental physical processes and the advances made towards the development of devices.

Partial Differential Equations and Calculus of Variations - Stefan Hildebrandt 2006-11-14

This volume contains 18 invited papers by members and guests of the former Sonderforschungsbereich in Bonn (SFB 72) who, over the years, collaborated on the research group "Solution of PDE's and Calculus of Variations". The emphasis is on existence and regularity results, on special equations of mathematical physics and on scattering theory.

Digital Document Processing - Bidyut B. Chaudhuri 2007-03-13

This book brings all the major and frontier topics in the field of document analysis together into a single volume, creating a unique reference source that will be invaluable to a large audience of researchers, lecturers and students working in this field. With chapters written by some of the most distinguished researchers active in this field, this book addresses recent advances in digital document processing research and development.

Bionanotechnology - V. Renugopalakrishnan 2006-10-12

Bionanotechnology is the key integrative technology of the 21st century and aims to use the knowledge, gathered from the natural construction of cellular systems, for the advancement of science and engineering. Investigating the topology and communication processes of cell parts can lead to invention of novel biological devices with exciting applications. Though microscale to nanoscale research offers an excellent space for the development of futuristic technologies, a number of challenges must be overcome. Due to paucity of a dedicated literature on the protein based nanodevices we bring you this monograph that combines collective research works of scientists probing into this fascinating universe of bionanotechnology. The monograph has been written with an aim of surveying engineering design principles of biomolecular nanodevices, prototype nanodevices based on redox proteins, bacteriorhodopsins and natural fibers, and touching upon the future developments in the field.

Information Technology for Counterterrorism - National Research Council 2003-04-07

Information technology (IT) is essential to virtually all of the nation's critical infrastructures making them vulnerable by a terrorist attack on their IT system. An attack could be on the system itself or use the IT system to launch or exacerbate another type of attack. IT can also be used as a counterterrorism tool. The report concludes that the most devastating consequences of a terrorist attack would occur if it were on or used IT as part of a broader attack. The report presents two recommendations on what can be done in the short term to protect the nation's communications and information systems and several recommendations about what can be done over the longer term. The report also notes the importance of considering how an IT system will be deployed to maximize protection against and usefulness in responding to attacks.

BioNMR in Drug Research - Oliver Zerbe 2006-03-06
The vast progress made in the investigation of biomolecules using NMR has only recently been rewarded with the Nobel Prize for Kurt Wüthrich. Edited by a former coworker of Wüthrich, this book presents the theoretical background on NMR of biomolecules, plus the use of NMR techniques in determining the structures of proteins and nucleic acids. BioNMR spectroscopy offers a universal tool for examining the binding of an active substance to its target protein. Its use thereby benefits the rational development of drugs. This interaction can now be investigated in a hitherto unparalleled precision and displayed in 3D - an important prerequisite for the targeted development of new active substances. The latest methods for characterizing substance-receptor complexes are demonstrated backed by many case studies from pharmaceutical research. Thus it comes as no surprise that a large number of the authors are working for leading pharmaceutical companies. With its successful mixture of basic information and application strategies, coupled with many real-life examples, this is an invaluable guide for both NMR spectroscopists and pharmaceutical researchers.
Contributions to Ubiquitous Computing - Bernd Krämer 2007-01-08
This book takes a holistic view on mobile and distributed computing systems. It presents innovative solutions at all system layers. These range from hardware over vertical and horizontal infrastructure services and novel middleware techniques to various types of application software. Some chapters address core properties of ubiquitous applications including mobility, self-healing and self-organization of both technical and social-technical systems.
Probability Measures on Groups IX - Herbert Heyer 1989-07-12
The latest in this series of Oberwolfach conferences focussed on the interplay between structural probability theory and various other areas of pure and applied mathematics such as Tauberian theory, infinite-dimensional rotation groups, central limit theorems, harmonizable processes, and spherical data. Thus it was attended by mathematicians whose research interests range from number theory to quantum physics in conjunction with structural properties of probabilistic phenomena. This volume contains 5 survey articles submitted on special invitation and 25 original research papers.
Radio Design in Nanometer Technologies - Mohammed Ismail 2007-06-16
Radio Design in Nanometer Technologies is the first volume that looks at the integrated radio design problem as a "piece of a big puzzle", namely the entire chipset or single chip that builds an entire wireless system. This is the only way to successfully design radios to meet the stringent demands of today’s increasingly complex wireless systems.
Linear and Complex Analysis Problem Book 3 - Nikolaj Kapitonovič Nikol'skij 1994
Presents a collection of unsolved problems of modern analysis designed as informally written mini-articles, each containing not only a statement of a problem but also historical and methodological comments, motivation, conjectures and discussion of possible connections, of plausible approaches as well as a list of references.
Angelica Kauffman - Angelica Kauffmann 1992

Cooperative Systems Design - Parina Hassanaly 2006
" The papers included in this book draw from a rich empirical background including studies in healthcare, homecare, software-development, architectural design, marine insurance industry and learning in university settings. They integrate different theoretical foundations and conceptual frameworks to further the understanding of cooperative work, build advanced conceptual frameworks, derive design implications for information systems and present new technological concepts for cooperative systems. This publication brings together researchers who contribute to the design of cooperative systems and their integration into organizational settings. Cooperative systems design requires a deep understanding of the cooperative work of groups and organizations, involving both artifacts and social practices. Contributions discuss topics such as: Analysis of collaborative work situations; Conceptual frameworks for understanding cooperative work; Guidelines for designing cooperative systems; The influence of new technologies (mobile

computing, ubiquitous computing, etc.) on cooperation; Expertise sharing and learning in cooperative work; Communities and new forms of organization; Innovative technological solutions and user interfaces; and Methods for participatory design of cooperative systems. Special emphasis is on the issue of the 'seamless integration of artifacts and conversations enhanced concepts of infrastructure for communication'. The emergence and distribution of cooperative systems has been accompanied by an increased communication workload. This is characterized by increased information exchange, message overflow, numerous interruptions of work, cognitive overload, or a dominance of virtual context. To alleviate and improve the situation, greater integration of conversational acts (e.g. message exchange) and documents is clearly required. "

Hybrid Architectures for Intelligent Systems - Abraham Kandel 2020-09-10

Hybrid architecture for intelligent systems is a new field of artificial intelligence concerned with the development of the next generation of intelligent systems. This volume is the first book to delineate current research interests in hybrid architectures for intelligent systems. The book is divided into two parts. The first part is devoted to the theory, methodologies, and algorithms of intelligent hybrid systems. The second part examines current applications of intelligent hybrid systems in areas such as data analysis, pattern classification and recognition, intelligent robot control, medical diagnosis, architecture, wastewater treatment, and flexible manufacturing systems. Hybrid Architectures for Intelligent Systems is an important reference for computer scientists and electrical engineers involved with artificial intelligence, neural networks, parallel processing, robotics, and systems architecture.

Linear und Complex Analysis Problem Book - V. P. Havin 1984-02-06

Electrostatic Accelerators - Ragnar Hellborg 2006-03-30

Electrostatic accelerators are an important and widespread subgroup within the broad spectrum of modern, large particle acceleration devices. They are specifically designed for applications that require high-quality ion beams in terms of energy stability and emittance at comparatively low energies (a few MeV). Their ability to accelerate virtually any kind of ion over a continuously tunable range of energies makes them a highly versatile tool for investigations in many research fields including, but not limited to, atomic and nuclear spectroscopy, heavy ion reactions, accelerator mass spectroscopy as well as ion-beam analysis and modification. The book is divided into three parts. The first part concisely introduces the field of accelerator technology and techniques that emphasize their major modern applications. The second part treats the electrostatic accelerator per se: its construction and operational principles as well as its maintenance. The third part covers all relevant applications in which electrostatic accelerators are the preferred tool for accelerator-based investigations. Since some topics are common to all types of accelerators, Electrostatic Accelerators will also be of value for those more familiar with other types of accelerators.

Soft Computing for Hybrid Intelligent Systems - Oscar Castillo 2008-09-10

We describe in this book, new methods and applications of hybrid intelligent systems using soft computing techniques. Soft Computing (SC) consists of several intelligent computing paradigms, including fuzzy logic, neural networks, and evolutionary al- rithms, which can be used to produce powerful hybrid intelligent systems. The book is organized in five main parts, which contain a group of papers around a similar subject. The first part consists of papers with the main theme of intelligent control, which are basically papers that use hybrid systems to solve particular problems of control. The second part contains papers with the main theme of pattern recognition, which are basically papers using soft computing techniques for achieving pattern recognition in different applications. The third part contains papers with the themes of intelligent agents and social systems, which are papers that apply the ideas of agents and social behavior to solve real-world problems. The fourth part contains papers that deal with the hardware implementation of intelligent systems for solving particular problems. The fifth part contains papers that deal with modeling, simulation and optimization for real-world applications.

The Inside Text - R. Harper 2006-03-30

SMS or Text is one of the most popular forms of messaging. Yet, despite its immense popularity, SMS has remained unexamined by science. Not only that, but the commercial organisations, who have been forced to offer SMS by a demanding public, have had very little idea why it has been successful. Indeed, they have, until very recently, planned to replace SMS with other messaging services such as MMS. This book is the first to bring together scientific studies into the values that 'texting' provides, examining both cultural variation in countries as different as the Philippines and Germany, as well as the differences between SMS and other communications channels like Instant Messaging and the traditional letter. It presents usability and design research which explores how SMS will evolve and what is likely to be the pattern of person-to-person messaging in the future. In short, The Inside Text is a fundamental resource for anyone interested in mobile communications at the start of the 21st Century.

Intelligent Decision Making: An AI-Based Approach - Gloria Phillips-Wren 2008-03-04

Intelligent Decision Support Systems have the potential to transform human decision making by combining research in artificial intelligence, information technology, and systems engineering. The field of intelligent decision making is expanding rapidly due, in part, to advances in artificial intelligence and network-centric environments that can deliver the technology. Communication and coordination between dispersed systems can deliver just-in-time information, real-time processing, collaborative environments, and globally up-to-date information to a human decision maker. At the same time, artificial intelligence techniques have demonstrated that they have matured sufficiently to provide computational assistance to humans in practical applications. This book includes contributions from leading researchers in the field beginning with the foundations of human decision making and the complexity of the human cognitive system. Researchers contrast human and artificial intelligence, survey computational intelligence, present pragmatic systems, and discuss future trends. This book will be an invaluable resource to anyone interested in the current state of knowledge and key research gaps in the rapidly developing field of intelligent decision support.

Using Microsoft Windows Small Business Server 2003 - Jonathan Hassell 2006-11-01

* Practical, non-theoretical content. * Author is recognized authority on Windows network administration. * Approaches the product objectively, without evangelizing.

Local Breads - Daniel Leader 2007

A volume of recipes from some of Europe's most favored artisan bread bakeries continues the success of Bread Alone to present an account of the author's travels throughout Europe in search of highly coveted recipes and techniques.

Biosilica in Evolution, Morphogenesis, and Nanobiotechnology - Werner E. G. Müller 2009-02-07

Lake Baikal is the oldest, deepest and most voluminous lake on Earth, comprising one fifth of the World's unfrozen fresh water. It hosts the highest number of endemic animals recorded in any freshwater lake. Until recently it remained enigmatic why such a high diversity evolved in the isolated Lake Baikal. Focusing on the sponges (phylum Porifera) as an example, some answers are provided to fundamental questions on evolutionary forces. The characteristic feature of these animals is that they form their polymeric silicic acid skeleton enzymatically. This process is explored using modern molecular biological and cellular biological techniques to outline strategies to fabricate novel materials applicable in biomedicine and nanooptics.

Applications of Supervised and Unsupervised Ensemble Methods - Oleg Okun 2009-10-06

Expanding upon presentations at last year's SUEMA (Supervised and Unsupervised Ensemble Methods and Applications) meeting, this volume explores recent developments in the field. Useful examples act as a guide for practitioners in computational intelligence.

Ischia Group Theory 2006 - Trevor O. Hawkes 2007

This volume contains a collection of research articles by leading experts in group theory and some accessible surveys of recent research in the area. Together they provide an overview of the diversity of themes and applications that interest group theorists today. Topics covered in this volume include: combinatorial group theory, varieties of groups, orderable groups, conjugacy

classes, profinite groups, probabilistic methods in group theory, graphs connected with groups, subgroup structure, and saturated formations.

Chaos and Quantum Chaos - W.Dieter Heiss 2014-03-12

Until now the important concept of quantum chaos has remained somewhat ill defined. This volume tackles the ubiquitous borderline between classical andquantum mechanics, studying in particular the semiclassical limit of chaotic systems. The effects of disorder from dynamics and their relation to stochastic systems, quantum coherence effects in mesoscopic systems, and the relevant theoretical approaches are fruitfully combined in this volume. The major paradigms of what is called quantum chaos, random matrix theory and applications to condensed matter and nuclear physics are presented. Detailed discussions of experimental work with particular emphasis on atomic physics are included. The book is highly recommended for graduate-student seminars.

David Busch's Digital Infrared Pro Secrets - David D. Busch 2007

Provides information on applying infrared techniques to digital photography.

Photon-based Nanoscience and Nanobiotechnology - Jan J. Dubowski 2007-04-24

This book provides a set of articles reviewing state-of-the art research and recent advancements in the field of photon-matter interaction for micro/nanomaterials synthesis and manipulation of properties of biological and inorganic materials at the atomic level. Photon-based nanoscience and related technologies have created exciting opportunities for the fabrication and characterization of nano(bio)material devices and systems.

Advances in Machine Learning II - Jacek Koronacki 2009-11-27

Professor Richard S. Michalski passed away on September 20, 2007. Once we learned about his untimely death we immediately realized that we would no longer have with us a truly exceptional scholar and researcher who for several decades had been inf- encing the work of numerous scientists all over the world - not only in his area of exp- tise, notably machine learning, but also in the broadly understood areas of data analysis, data mining, knowledge discovery and many others. In fact, his influence was even much broader due to his creative vision, integrity, scientific excellence and excepti- ally wide intellectual horizons which extended to history, political science and arts. Professor Michalski's death was a particularly deep loss to the whole Polish sci- tific community and the Polish Academy of Sciences in particular. After graduation, he began his research career at the Institute of Automatic Control, Polish Academy of Science in Warsaw. In 1970 he left his native country and hold various prestigious positions at top US universities. His research gained impetus and he soon established himself as a world authority in his areas of interest – notably, he was widely cons- ered a father of machine learning.

The Essential Handbook of Treatment and Prevention of Alcohol Problems - Nick Heather 2004-02-06

The last three decades have seen an explosion of social, psychological and clinical research to identify effective strategies to prevent and treat alcohol-related problems. This "Essential Handbook" contains an updated selection of reviews of "what works" drawn from the critically acclaimed International Handbook of Alcohol Dependence and Problems. Selected specifically for health and other professionals, who need to provide effective responses in their work, these authoritative, science-based reviews are a distillation of the more practical elements, designed to save time for the busy practitioner.

Atherosclerosis, Large Arteries and Cardiovascular Risk - Michel Safar 2007

Arterial stiffness is now firmly established as an important and independent predictor of cardiovascular risk. The structural and functional changes of the large arteries may be age-related, but a number of conditions have been associated with accelerated arterial stiffening including the hypertensive diseases, atherosclerosis, end-stage renal disease, and traditional cardiovascular risk factors such as diabetes mellitus and smoking. This book presents the current thinking of international experts regarding the underlying mechanisms of cardiovascular risk, and the pathogenesis and pathophysiology of large arterial stiffness and reduced large arterial distensibility. It not only gives new insights into the relationship between arterial stiffness and atherosclerosis, but also establishes the possible

interactions with age and other cardiovascular factors such as high blood pressure, diabetes and hyperlipidemia. Finally, the therapeutic means of approaching arterial stiffness are analyzed in detail and new perspectives for the treatment and prevention of cardiovascular diseases are developed. Authoritative and up-to-date, this book is a valuable resource for basic scientists interested in vascular physiology and pathophysiology, for clinicians in the areas of cardiology, diabetes and renal diseases, as well as for investigators in drug development.

The Leadbeater Papers - George Crabbe 2018-10-11

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Electronic Commerce - Makoto Yokoo 2008-05-28

This book covers recent advances in electronic commerce research activities. It aims to encourage activities in this field, and to serve researchers with an interest in electronic commerce. This book is edited from some aspects of e-commerce researches including theoretical mechanism design of trading based on auctions, allocation mechanism based on negotiation among multi-agent, case-study and analysis of e-trading, data engineering issues in e-commerce, and so on.