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AIX 7.2, PowerVM - UNIX, Virtualization and Security, An administrator's guide

IBM AIX Enterprise Edition System Administration Guide

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BRAIDEN CRISTOPHER

Affective Computing and Intelligent Interaction Springer

This guide addresses literally everything that system administrators must know in order to maximize their new AIX capabilities. With special emphasis on networking and configuration, DeRoest explains Version 4's many new features and covers links to the Web and security issues.

Dick Deadeye Elsevier

IMPRESSIONISM. This text explores the importance of the city of Rouen to the Impressionist painters of the late 19th century. It includes work by

Monet, Pissarro and Gauguin and looks at why the city was deemed 'as beautiful as Venice'.

IBM AIX Version 7.1 Differences Guide Springer

Nanotechnology has the potential to play an important role in increasing the sustainability of a wide range of industrial sectors. Nanomaterials could contribute to more sustainable manufacturing through cleaner, less wasteful production processes and can substitute conventional materials, leading to savings in raw materials and energy. Nanotechnology for Sustainable Manufacturing discusses recent progress in the areas of energy and materials efficiency related to resource savings and conservation of raw materials, which are drivers for the application of nanotechnology in the industrial setting. Written by leading experts from Europe, North America, Asia, and Australia, the book provides an innovative perspective by establishing connections between the subject areas associated with nanotechnology and by bridging the academic and industrial research gap. The topics covered include electronics, agrifood, aerospace, pulp and paper manufacturing, batteries, catalysts, solar energy, fuel cells, drinking water, and construction materials. The chapters offer insights into the diverse industries that are currently or likely to be impacted by developments in nanotechnology and nanomaterials. They cover applications such as nanotechnology for alternative energy generation, improving water quality, and novel uses in agriculture and forest products. The book also addresses the use of life-cycle analysis for assessing the sustainability of nanotechnology-based products and processes.

Emotions and Memory Springer

This IBM® Redbooks® publication focuses on the enhancements to IBM AIX® Version 7.1 Standard Edition. It is intended to help system administrators, developers, and users understand these enhancements and evaluate potential benefits in their own environments. AIX Version 7.1 introduces many new features, including: - Domain Role Based Access Control - Workload Partition enhancements - Topas performance tool enhancements - Terabyte segment support - Cluster Aware AIX functionality AIX Version 7.1 offers many other new enhancements, and you can explore them all in this publication. For clients who are not familiar with the enhancements of AIX through Version 5.3, a companion publication, *AIX Version 6.1 Differences Guide*, SG24-7559, is available.

Emotion Modeling Springer Science & Business Media

The first volume in the series was released in January 2004 and the second to fourth volumes in early 2006. The field is now progressing so fast that there is a need for one volume every 12 to 18 months to capture latest developments. Volume VII presents 9 chapters on a variety of new and emerging techniques and refinements of SPM applications.

Advances in Fuel Cells Elsevier

Get to know the IBM AIX operating system! The topics covered include: - Basics of the AIX operating system; - Virtualization, PowerVM, Virtual I/O Server; - Installation and maintenance of the AIX operating system; - Management of users, disks, and the file system; - Backup and system diagnostics; - Performance tips; - Security features. Operating systems from the UNIX family are known for their high reliability and performance. This is why many companies use such systems to manage key application servers. One of the systems that belongs to this family is AIX, which has gained popularity in recent years due to its significant potential for virtualization as well as the fact that its security configuration meets the strictest security requirements.

A City for Impressionism Sagwan Press

This IBM Redbooks publication focuses on the differences introduced in IBM AIX Version 6.1 when compared to AIX 5L Version 5.3. It is intended to help system administrators, developers, and users understand these enhancements and evaluate potential benefits in their own environments. AIX

Version 6.1 introduces many new features, including workload partitions, advanced security, continuous availability, and managing and monitoring enhancements. There are many other new features available with AIX Version 6.1, and you can explore them all in this publication. For clients who are not familiar with the enhancements of AIX through Version 5.3, a companion publication, AIX 5L Differences Guide Version 5.3 Edition, SG24-7463 is available, along with an addendum, AIX 5L Differences Guide Version 5.3 Addendum, SG24-7414, which includes between release enhancements that are available through applying service updates.

Who Needs Emotions? Springer

This book covers the state-of-the-art research in nanoporous metals for potential applications in advanced energy fields, including proton exchange membrane fuel cells, Li batteries (Li ion, Li-S, and Li-O₂), and supercapacitors. The related structural design and performance of nanoporous metals as well as possible mechanisms and challenges are fully addressed. The formation mechanisms of nanoporous metals during dealloying, the microstructures of nanoporous metals and characterization methods, as well as microstructural regulation of nanoporous metals through alloy design of precursors and surface diffusion control are also covered in detail. This is an ideal book for researchers, engineers, graduate students, and government/industry officers who are in charge of R&D investments and strategy related to energy technologies.

AIX/6000 Internals and Architecture McGraw-Hill Companies

Protected Metal Clusters: From Fundamentals to Applications surveys the fundamental concepts and potential applications of atomically precise metal clusters protected by organic ligands. As this class of materials is now emerging as a result of breakthroughs in synthesis and characterization that have taken place over the last few years, the book provides the first reference with a focus on these exciting novel nanomaterials, explaining their formation, and how, and why, they play an important role in the future of molecular electronics, catalysis, sensing, biological imaging, and medical diagnosis and therapy. Surveys the fundamental concepts and potential applications of atomically precise metal clusters protected by organic ligands. Provides well-organized, tutorial style chapters that are ideal for teaching and self-study In-depth descriptions by top scientists in the field Presents the state-of-the art of protected metal clusters and their future prospects

AIX for Breakfast Addison-Wesley Professional

This multi-faceted new handbook explains and demonstrates the essential internals of IBM's AIX. UNIX-oriented programmers who develop operating systems, device drivers, etc., and applications programmers who need the AIX kernel to efficiently allocate and use system resources will find this book particularly valuable because it shows exactly how the AIX kernel is different from other major versions of UNIX; the AIX/PowerPC tie-in - a particularly strong market indicator for the future success of AIX and the programmers who know it; concepts behind the RISC System/6000; components of the AIX process image; the total virtual memory supported by AIX 3.2; process management of AIX Version 3; the AIX Version 3 journaled file system; generic aspects of file I/O with regard to disk files; specnodes, devnodes, and fifonodes new to AIX 3.2; interprocess communication; how to add AIX kernel extensions ... and more.

Protected Metal Clusters: From Fundamentals to Applications Elsevier

This book presents concepts, methods and applications of inorganic nanomaterials for energy applications such as fuel cells and batteries, for environmental applications such as water purification, and for medicinal applications such as cancer treatments. The founding father of nanotechnology, Eric Drexler, always communicated a unique vision in exploring new materials and creating advancements in molecular nanotechnology. He emphasized the potential advantages of smaller size, higher efficiency and less needed resources for applications in energy, environment and medicine. A higher surface to volume ratio of inorganic nanomaterials is a key property.

Chirality at the Nanoscale Oxford University Press

Character drawings from the film *Dick Deadeye or Duty* done.

Nanotechnology for Sustainable Manufacturing Elsevier

AIX is the IBM version of the UNIX operating system, which supports more commands and functions than traditional UNIX. This complete guide to using and administering AIX highlights the exceptions created by IBM, and references the implementation of AIX in an IBM environment. Covers AIX shells, the System Management Interface Tool (SMIT), AIX system administration, X Windows customization, and system and data backup. For programmers and system administrators using the IBM version of UNIX - called AIX.

The Chemical Physics of Fullerenes 10 (and 5) Years Later Sebastian Biedron

Fuel cells have been recognized to be destined to form the cornerstone of energy technologies in the twenty-first century. The rapid advances in fuel cell system development have left current information available only in scattered journals and Internet sites. Advances in Fuel Cells fills the information gap between regularly scheduled journals and university level textbooks by providing in-depth coverage over a broad scope. The present volume provides informative chapters on thermodynamic performance of fuel cells, macroscopic modeling of polymer-electrolyte membranes, the prospects for phosphonated polymers as proton-exchange fuel cell membranes, polymer electrolyte membranes for direct methanol fuel cells, materials for state of the art PEM fuel cells, and their suitability for operation above 100°C, analytical modelling of direct methanol fuel cells, and methanol reforming processes. Includes contributions by leading experts working in both academic and industrial R&D Disseminates the latest

research discoveries A valuable resource for senior undergraduates and graduate students, it provides in-depth coverage over a broad scope

The AIX Survival Guide Vervante

A decade has elapsed since the discovery of C₆₀ in molecular beams, and five years since the first synthesis of solid C₆₀. At the time, the opening of a new era for chemistry was foreseen and high expectations were shared by physicists and material scientists. Where are we now? Where are we aiming? What can we expect from now on? The answer will be found in this volume, written by the protagonists of the fullerene adventure. There is a whole new generation of materials now, in the form of molecules, solids, nanostructures, either directly derived from Bucky or inspired by it. They continue to create new challenges to our fundamental understanding and seem to be ready for important, long-lasting applications. Audience: The book is mainly directed to specialized scientists - physicists, chemists, material scientists and biochemists - who will find it a source of learning and inspiration. Younger researchers, too, will find it fascinating, since it allows them to learn about and quickly acquire a critical view of an interdisciplinary, frontier subject.

Materials for Fuel Cells John Wiley & Sons

A comprehensive introduction to how to get the most out of AIX on IBM's RISC System/6000 and PowerPC computers, The AIX Survival Guide show how to set up and maintain computers running AIX, covering versions 3.2.5 and 4.1. The guide is complete and accessible, providing numerous practical details and hints on how to avoid potential pitfalls.

IBM AIX Version 6.1 Differences Guide Prentice Hall

The idea that some day robots may have emotions has captured the imagination of many and has been dramatized by robots and androids in such famous movies as 2001 Space Odyssey's HAL or Star Trek's Data. By contrast, the editors of this book have assembled a panel of experts in neuroscience and artificial intelligence who have dared to tackle the issue of whether robots can have emotions from a purely scientific point of view. The study of the brain now usefully informs study of the social, communicative, adaptive, regulatory, and experimental aspects of emotion and offers support for the idea that we exploit our own psychological responses in order to feel others' emotions. The contributors show the many ways in which the brain can be analyzed to shed light on emotions. Fear, reward, and punishment provide structuring concepts for a number of investigations. Neurochemistry reveals the ways in which different "neuromodulators" such as serotonin, dopamine, and opioids can affect the emotional valence of the brain. And studies of different regions such as the amygdala and orbitofrontal cortex provide a view of the brain as a network of interacting subsystems. Related studies in artificial intelligence and robotics are discussed and new multi-level architectures are proposed that make it possible for emotions to be implemented. It is now an accepted task in robotics to build robots that perceive human expressions of emotion and can "express" simulated emotions to ease interactions with humans. Looking towards future innovations, some scientists posit roles for emotion with our fellow humans. All of these issues are covered in this timely and stimulating book which is written for researchers and graduated students in neuroscience, cognitive science, psychology, robotics, and artificial intelligence.

Computational Electrochemistry The Electrochemical Society

Nanocatalysis, a subdiscipline of nanoscience, seeks to control chemical reactions by changing the size, dimensionality, chemical composition, and morphology of the reaction center and by changing the kinetics using nanopatterning of the reaction center. This book offers a detailed pedagogical and methodological overview of the field. Readers discover many examples of current research, helping them explore new and emerging applications.

Applied Scanning Probe Methods VII IBM Redbooks

This book constitutes the refereed proceedings of the First International Conference on Affective Computing and Intelligent Interaction, ACII 2005, held in Beijing, China in October 2005 as an associated event of ICCV 2005, the International Conference on Computer Vision. The 45 revised full papers and 81 revised poster papers presented were carefully reviewed and selected from 198 submissions. They cover a wide range of topics, such as facial expression recognition, face animation, emotional speech synthesis, intelligent agent, and virtual reality. The papers are organized in topical sections on affective face and gesture processing, affective speech processing, evaluation of affective expressivity, affective database, annotation and tools, psychology and cognition of affect, and affective interaction and systems and applications.

IBM AIX Version 7.1 Differences Guide IBM Redbooks

A fuel cell is an electrochemical device that converts the chemical energy of a reaction (between fuel and oxidant) directly into electricity. Given their efficiency and low emissions, fuel cells provide an important alternative to power produced from fossil fuels. A major challenge in their use is the need for better materials to make fuel cells cost-effective and more durable. This important book reviews developments in materials to fulfil the potential of fuel cells as a major power source. After introductory chapters on the key issues in fuel cell materials research, the book reviews the major types of fuel cell. These include alkaline fuel cells, polymer electrolyte fuel cells, direct methanol fuel cells, phosphoric acid fuel cells, molten carbonate fuel cells, solid oxide fuel cells and regenerative fuel cells. The book concludes with reviews of novel fuel cell materials, ways of analysing performance and issues affecting recyclability and life cycle assessment. With its distinguished editor and international team of contributors, Materials for fuel cells is a valuable reference for all those researching, manufacturing and using fuel cells in such areas as automotive engineering. Examines the key issues in fuel cell materials research Reviews the major types of fuel cells such as direct methanol and regenerative fuel cells Further chapters explore ways of analysing performance and issues affecting recyclability and life cycle assessment