Hp Nsk Manuals

Electric Railway JournalIBM i 7.2 Technical Overview with Technology Refresh UpdatesDirect Support and General Support Maintenance Repair Parts and Special Tools Lists (including Depot Maintenance Repair Parts and Special Tools)OpenManufacturing & Distribution USACost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty VehiclesEmpirical FinanceReliable Computer SystemsUNIX UnleashedMoody's Bank and Finance ManualUNIX System V Release 4Beautiful ArchitectureHP NonStop Server SecurityMachine DesignEncyclopedic Handbook of Integrated OpticsTransit Journal U.S. Navy Towing ManualAir and Gas Drilling ManualManufacturing U. S. A.GPO Style Manual: An Official Guide to the Form and Style of Federal Government Publishing, 2016 (Hardcover)A System of Health Accounts 2011 Revised editionElectric and Hybrid VehiclesProbability with Applications in Engineering, Science, and TechnologyHeat and Mass TransferDictionary of Acronyms and Technical AbbreviationsPower Transmission DesignMastering Oracle GoldenGatePerformance Analysis of Transaction Processing SystemsTandem Computers UnpluggedHP NonStop Server SecurityAerospace Materials HandbookProduction EngineeringSecuring HP NonStop Servers in an Open Systems WorldManufacturing USA: SIC 3312-3999Air and Gas Drilling ManualConjectures and RefutationsSecure Messaging Scenarios with WebSphere MQHandbook of Lubrication and TribologyMechanical DrivesData Definition Language (DDL) Reference Manual

Electric Railway Journal

"UNIX Unleashed, 2nd Ed". takes an in-depth look at UNIX and its features, commands, and utilities. Written by UNIX experts in the UNIX and open systems fields, this book is the all-purpose, one-stop UNIX guide that takes the reader from start to finish. The companion CD contains GNU Emacs, Perl BASH, UUCP, TeX utilities, GNU C++ Compiler, and shell scripts from the book, as well as other programs and utilities.

IBM i 7.2 Technical Overview with Technology Refresh Updates

This IBM® Redbooks® publication provides a technical overview of the features, functions, and enhancements that are available in IBM i 7.2, including all the available Technology Refresh (TR) levels, from TR1 to TR3. This publication provides a summary and brief explanation of the many capabilities and functions in the operating system. It also describes many of the licensed programs and application development tools that are associated with IBM i. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals that are involved with planning, supporting, upgrading, and implementing IBM i 7.2 solutions.

Direct Support and General Support Maintenance Repair Parts and Special Tools Lists (including Depot Maintenance Repair Parts and Special Tools)

Open

Manufacturing & Distribution USA

Since the last publication of the Ernst and Young book on Tandem security in the early 90's, there has been no such book on the subject. We've taken on the task of supplying a new Handbook whose content provides current, generic information about securing HP NonStop servers. Emphasis is placed on explaining security risks and best practices relevant to NonStop environments, and how to deploy native security tools (Guardian and Safeguard). All third party vendors who supply security solutions relevant to NonStop servers are listed, along with contact information for each vendor. The Handbook is a source for critical information to NonStop professionals and NonStop security administrators in particular. However, it is written in such a way as to also be extremely useful to readers new to the NonStop platform and to information security. This handbook familiarizes auditors

and those responsible for security configuration and monitoring with the aspects of the HP NonStop server operating system that make the NonStop Server unique, the security risks these aspects create, and the best ways to mitigate these risks. · Addresses the lack of security standards for the NonStop server · Provides information robust enough to train more security-knowledgeable staff · The ideal accompaniment to any new HP NonStop system

Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles

Empirical Finance

Be prepared for drilling's hottest trend According to the U.S. Department of Energy, by 2005, 30% of all wells will be drilled using gas and air. The Air and Gas Drilling Manual, by William Lyons -- an internationally known expert and holder of nine drilling patents -- lays out everything you need to apply air and gas drilling to all kinds of operations, from the most basic to the most complex, and for the shallowest to the deepest. You're shown how to: Master the air and gas drilling techniques in vital industries: construction and development of water wells, monitoring wells, geotechnical boreholes, mining operations boreholes, and more

Calculate volumetric flow and compressor requirements. Drill with stable foam, unstable foam, and aerated liquids (as well as gas and air) Handle the special considerations of deep hole drilling Perform direct and reverse-flow circulation calculations Specify drills, collars, and casings Engineer and operate specialized downhole projects Plan operations and choose air package contractors

Reliable Computer Systems

This manual describes the DDL language syntax and the internal format of a data base dictionary. The audience includes application programmers and data base administrators.

UNIX Unleashed

"Manufacturing & Distribution USA presents statistics on more than 500 SIC and NAICS classifications in the manufacturing, wholesaling and retail industries. Information is compiled from the most recent government publications and includes projections, maps and graphics. This new edition also features enhanced coverage of input-output data by industrial sector when available as well as classifications of leading public and private corporations in each industry.

Moody's Bank and Finance Manual

ABOUT THE BOOK "Lots of histories have been written about Silicon Valley companies. What makes this one about Tandem unique is that it reflects, through the eyes and hearts of the employees who worked there, what they respected about the company. This is valuable insight for CEOs trying to decide what kind of company to build and for employees trying to decide what kind of company to work for." -Jimmy Treybig, President "Gaye does an amazing job capturing not only the historical timeline of events, but the very soul of the company the success, the fun, and the departure of the unforgettable once-in-a-career experience that was Tandem. You'll smile from start to finish." -Jan Seamons, Former Program Manager, Sales and Marketing "Gaye has weaved a story that tells of a great experiment in corporate culture. Tandem strived to build not only a unique computer, but a unique work environment based on collaboration of outstanding people. Tandem Computers Unplugged gives an insight in to the successes and failures of that experiment through very personal stories in a delightful read." -Jim Katzman, Co-Founder "It seems ironic that we speak so highly of a corporate culture that is no longer with us. Gaye has captured, not only as a historian but through her own personal experiences at Tandem and through her writing style, the essence of what was a pillar of Silicon Valley. A sense of loss that I have felt over the years, in Tandem's passing, is now filled with this wonderful tribute." -Ed Martin, Former Project Manager, Philosophy Program ABOUT THE AUTHOR Since 2002, Gaye I.

Clemson, a Tandem Computers employee from 1984 to 1992, has been collecting stories and recollections from fellow employees in an effort to capture the voices and history of this amazing company that thrived in Silicon Valley from 1974 to 2002. Though her 8th book in the oral history tradition, this is her first venture into using social media as the primary story collection medium and her first use of this narrative process for a high technology company. Clemson resides in Capitola, California, though in summer can usually be found paddling her canoe on a wilderness lake in Algonquin Park, Ontario, Canada.

UNIX System V Release 4

Recent corporate events have exposed the frequency and consequences of poor system security implementations and inadequate protection of private information. In a world of increasingly complex computing environments, myriad compliance regulations and the soaring costs of security breaches, it is economically essential for companies to become proactive in implementing effective system and data security measures. This volume is a comprehensive reference for understanding security risks, mitigations and best practices as they apply to the various components of these business-critical computing environments. HP NonStop Servers are used by Financial, Medical, Manufacturing enterprises where there can be no down time. Securing HP NonStop Servers in an Open Systems World: OSS, TCP/IP, and SQL takes a wide angle view of NonStop Server use. This book

addresses protection of the Open Systems Services environment, network interfaces including TCP/IP and standard SQL databases. It lays out a roadmap of changes since our first book HP has made to Safeguard, elaborating on the advantages and disadvantages of implementing each new version. Even the security aspects of managing Operating System upgrades are given attention. Auditors, security policy makers, information security administrators and system managers will find the practical information they need for putting security principles into practice to meet industry standards as well as compliance regulations. * Addresses security issues in Open Systems Services * Critical security topics for network interfaces TCP/IP, SQL, etc. * Updates to safeguard thru since publication of XYPRO's last book

Beautiful Architecture

HP NonStop Server Security

The story of Compaq is well-known: Three ex-Texas Instruments managers founded Compaq with modest venture funding. Just four years later, Compaq was on the Fortune 500 list, and, two years after that, they had exceeded $1 billion in annual revenue. No company had ever achieved these milestones so rapidly. But few

know the story behind the story. In 1982, when Compaq was founded, there was no software standardization, so every brand of personal computer required its own unique application software. Just eight years later, compatibility with the open PC standard had become ubiquitous, and it has continued to be for over two decades. This didn't happen by accident. Cofounder and then CEO Rod Canion and his team made a series of risky and daring decisions—often facing criticism and incredulity—that allowed the open PC standard marketplace to thrive and the incredible benefits of open computing to be realized. A never-before-published insider account of Compaq's extraordinary strategies and decisions, Open provides valuable lessons in leadership in times of crisis, management decision-making under the pressure of extraordinary growth, and the power of a unique, pervasive culture. Open tells the incredible story of Compaq's meteoric rise from humble beginnings to become the PC industry leader in just over a decade. Along the way, Compaq helped change the face of computing while establishing the foundation for today's world of tablets and smart phones.

Machine Design

Published since 1894, the GPO Style Manual is issued under the authority of section 1105 of title 44 of the U.S. Code by the Director of the GPO. The manual is prepared by the GPO Style Board as a guide to the style and form of Federal Government publishing. The GPO Style Manual has become a major reference

source for professionals involved in the field of Federal printing and publishing. Designed to achieve uniform word and type treatment and economy of word use in the form and style of government printing, this manual has become to be widely recognized by writers and editors within and outside the Federal Government as one of the most useful resources in the editorial arsenal. In addition to a comprehensive revision the new Style Manual features: GPO's most recent digital initiatives Updates to foreign nation information Updates to State demonyms Treatment of words related to native entities recognized by the Federal Government Clarification of punctuation rules Updates to capitalization, abbreviations, and computer terms Inclusion of many suggestions from users Audience: Writers, editors, and others interested in the publishing field would find this manual useful. This reference is a "MUST HAVE" publication for content producers within the U.S. Federal Government --executive, judicial, and legislative branch agency offices. Other products produced by the United States Government Publishing Office can be found here: https: //bookstore.gpo.gov/agency/241 Paperback format of this print title can be found here: https: //bookstore.gpo.gov/products/sku/021-000-00218-6?ctid=241

Encyclopedic Handbook of Integrated Optics

Transit Journal

U.S. Navy Towing Manual

The differences between well-designed security and poorly designed security are not always readily apparent. Poorly designed systems give the appearance of being secure but can over-authorize users or allow access to non-users in subtle ways. The problem is that poorly designed security gives a false sense of confidence. In some ways, it is better to knowingly have no security than to have inadequate security believing it to be stronger than it actually is. But how do you tell the difference? Although it is not rocket science, designing and implementing strong security requires strong foundational skills, some examples to build on, and the capacity to devise new solutions in response to novel challenges. This IBM® Redbooks® publication addresses itself to the first two of these requirements. This book is intended primarily for security specialists and IBM WebSphere® MQ administrators that are responsible for securing WebSphere MQ networks but other stakeholders should find the information useful as well. Chapters 1 through 6 provide a foundational background for WebSphere MQ security. These chapters take a holistic approach positioning WebSphere MQ in the context of a larger system of security controls including those of adjacent platforms' technologies as

well as human processes. This approach seeks to eliminate the simplistic model of security as an island, replacing it instead with the model of security as an interconnected and living system. The intended audience for these chapters includes all stakeholders in the messaging system from architects and designers to developers and operations. Chapters 7 and 8 provide technical background to assist in preparing and configuring the scenarios and chapters 9 through 14 are the scenarios themselves. These chapters provide fully realized example configurations. One of the requirements for any scenario to be included was that it must first be successfully implemented in the team's lab environment. In addition, the advice provided is the cumulative result of years of participation in the online community by the authors and reflect real-world practices adapted for the latest security features in WebSphere MQ V7.1 and WebSphere MQ V7.5. Although these chapters are written with WebSphere MQ administrators in mind, developers, project leaders, operations staff, and architects are all stakeholders who will find the configurations and topologies described here useful. The third requirement mentioned in the opening paragraph was the capacity to devise new solutions in response to novel challenges. The only constant in the security field is that the technology is always changing. Although this book provides some configurations in a checklist format, these should be considered a snapshot at a point in time. It will be up to you as the security designer and implementor to stay current with security news for the products you work with and integrate fixes, patches, or new solutions as the state of the art evolves.

Air and Gas Drilling Manual

Enhance your hardware/software reliability Enhancement of system reliability has been a major concern of computer users and designers ¦ and this major revision of the 1982 classic meets users' continuing need for practical information on this pressing topic. Included are case studies of reliable systems from manufacturers such as Tandem, Stratus, IBM, and Digital, as well as coverage of special systems such as the Galileo Orbiter fault protection system and AT&T telephone switching processors.

Manufacturing U. S. A.

GPO Style Manual: An Official Guide to the Form and Style of Federal Government Publishing, 2016 (Hardcover)

A System of Health Accounts 2011: Revised Edition provides an updated and systematic description of the financial flows related to the consumption of health care goods and services.

A System of Health Accounts 2011 Revised edition

This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

Electric and Hybrid Vehicles

Air and Gas Drilling Manual, Fourth Edition: Applications for Oil, Gas and Geothermal Fluid Recovery Wells, and Specialized Construction Boreholes, and the History and Advent of the Directional DTH delivers the fundamentals and current methods needed for engineers and managers engaged in drilling operations. Packed with updates, this reference discusses the engineering modelling and planning aspects of underbalanced drilling, the impacts of technological advances in high angle and horizontal drilling, and the importance of new production from shale. in addition, an in-depth discussion is included on well control model planning considerations for completions, along with detailed calculation examples using Mathcad. This book will update the petroleum and drilling engineer with a much-needed reference to stay on top of drilling methods and new applications in

today's operations. Provides key drilling concepts and applications, including unconventional activity and directional well by gas drilling Updated with new information and data on managed pressure drilling, foam drilling, and aerated fluid drilling Includes practical appendices with Mathcad equation solutions

Probability with Applications in Engineering, Science, and Technology

Heat and Mass Transfer

This updated and revised first-course textbook in applied probability provides a contemporary and lively post-calculus introduction to the subject of probability. The exposition reflects a desirable balance between fundamental theory and many applications involving a broad range of real problem scenarios. It is intended to appeal to a wide audience, including mathematics and statistics majors, prospective engineers and scientists, and those business and social science majors interested in the quantitative aspects of their disciplines. The textbook contains enough material for a year-long course, though many instructors will use it for a single term (one semester or one quarter). As such, three course syllabi with expanded course outlines are now available for download on the book's page on

the Springer website. A one-term course would cover material in the core chapters (1-4), supplemented by selections from one or more of the remaining chapters on statistical inference (Ch. 5), Markov chains (Ch. 6), stochastic processes (Ch. 7), and signal processing (Ch. 8—available exclusively online and specifically designed for electrical and computer engineers, making the book suitable for a one-term class on random signals and noise). For a year-long course, core chapters (1-4) are accessible to those who have taken a year of univariate differential and integral calculus; matrix algebra, multivariate calculus, and engineering mathematics are needed for the latter, more advanced chapters. At the heart of the textbook's pedagogy are 1,100 applied exercises, ranging from straightforward to reasonably challenging, roughly 700 exercises in the first four "core" chapters alone—a self-contained textbook of problems introducing basic theoretical knowledge necessary for solving problems and illustrating how to solve the problems at hand – in R and MATLAB, including code so that students can create simulations. New to this edition • Updated and re-worked Recommended Coverage for instructors, detailing which courses should use the textbook and how to utilize different sections for various objectives and time constraints • Extended and revised instructions and solutions to problem sets • Overhaul of Section 7.7 on continuous-time Markov chains • Supplementary materials include three sample syllabi and updated solutions manuals for both instructors and students

Dictionary of Acronyms and Technical Abbreviations

Power Transmission Design

Mastering Oracle GoldenGate

When it was first published some two decades ago, the original Handbook of Lubrication and Tribology stood on technology's cutting-edge as the first comprehensive reference to assist the emerging science of tribology lubrication. Later, followed by Volume II, Theory and Design and Volume III, Monitoring, Materials, Synthetic Lubricants, and Ap

Performance Analysis of Transaction Processing Systems

Tandem Computers Unplugged

With complete coverage of the basic principles of heat transfer and a broad range of applications in a flexible format, "Heat and Mass Transfer: A Practical Approach" provides the perfect blend of fundamentals and applications. The text provides a highly intuitive and practical understanding of the material by emphasizing the

physics and the underlying physical phenomena involved. Key: Text covers the standard topics of heat transfer with an emphasis on physics and real-world every day applications, while de-emphasizing the intimidating heavy mathematical aspects. This approach is designed to take advantage of students' intuition, making the learning process easier and more engaging. Key: The new edition will add helpful web-links for students. Key: 50% of the Homework Problems including design, computer, essay, lab-type, and FE problems are new or revised to this edition. Using a reader-friendly approach and a conversational writing style, the book is self-instructive and entertains while it teaches. It shows that highly technical matter can be communicated effectively in a simple yet precise language.

HP NonStop Server Security

What are the ingredients of robust, elegant, flexible, and maintainable software architecture? Beautiful Architecture answers this question through a collection of intriguing essays from more than a dozen of today's leading software designers and architects. In each essay, contributors present a notable software architecture, and analyze what makes it innovative and ideal for its purpose. Some of the engineers in this book reveal how they developed a specific project, including decisions they faced and tradeoffs they made. Others take a step back to investigate how certain architectural aspects have influenced computing as a

whole. With this book, you'll discover: How Facebook's architecture is the basis for a data-centric application ecosystem The effect of Xen's well-designed architecture on the way operating systems evolve How community processes within the KDE project help software architectures evolve from rough sketches to beautiful systems How creeping featurism has helped GNU Emacs gain unanticipated functionality The magic behind the Jikes RVM self-optimizable, self-hosting runtime Design choices and building blocks that made Tandem the choice platform in high-availability environments for over two decades Differences and similarities between object-oriented and functional architectural views How architectures can affect the software's evolution and the developers' engagement Go behind the scenes to learn what it takes to design elegant software architecture, and how it can shape the way you approach your own projects, with Beautiful Architecture.

Aerospace Materials Handbook

Master Oracle GoldenGate technology on multiple database platforms using this step-by-step implementation guide. Learn about advanced features to use in building a robust, high-availability replication system. Provided are detailed illustration of Oracle GoldenGate concepts, GoldenGate tools and add-ons, as well as illustrative examples. The book covers Oracle GoldenGate for Oracle database, and also discusses setup and configuration for other common databases such as IBM DB2, SYBASE ASE, MySQL, and Microsoft SQL Server. The technology

landscape is fast-changing, and Mastering Oracle GoldenGate stays current by covering the new features included in Oracle GoldenGate 12c. The book covers both classic capture and integrated capture, as well as delivery. Also covered are Oracle GoldenGate security and performance tuning, to keep your system secure and performing at its best. You will learn to monitor your GoldenGate system using tools that come with Oracle GoldenGate management pack, as well as using shell scripts. Troubleshooting is well-illustrated with examples: Covering Oracle GoldenGate technology across common database brands Discussing high-performing and secure replication environments Speaking to replication in Big Data and cloud computing environments What You Will Learn Implement Oracle GoldenGate for real time replication Secure and tune your replication environment for high performance Administer your Oracle GoldenGate environment Learn troubleshooting approaches with help of examples Make use of GoldenGate Management Pack and its API Feed live data into Big Data and cloud-based systems Who This Book Is For Database professionals who have chosen to ride the Oracle GoldenGate roller coaster for real-time replication solutions. The book is for beginners as well as professionals who are willing to master the leading replication technology in the industry. It is an excellent choice for professionals who are implementing or maintaining Oracle GoldenGate replication environments on any of the major database management system platforms.

Production Engineering

This book provides the practical tools necessary for an in-depth analysis of the performance of real-time and OLTP computer systems. They have been used successfully in dozens of real-world applications leading to major system enhancements. For the systems analysis and applied mathematics student seeking to acquire a broader understanding of computer system principles, the book requires nothing more than a knowledge of simple algebra to understand and master.

Securing HP NonStop Servers in an Open Systems World

An advanced level introductory book covering fundamental aspects, design and dynamics of electric and hybrid electric vehicles There is significant demand for an understanding of the fundamentals, technologies, and design of electric and hybrid electric vehicles and their components from researchers, engineers, and graduate students. Although there is a good body of work in the literature, there is still a great need for electric and hybrid vehicle teaching materials. Electric and Hybrid Vehicles: Technologies, Modeling and Control – A Mechatronic Approach is based on the authors' current research in vehicle systems and will include chapters on vehicle propulsion systems, the fundamentals of vehicle dynamics, EV and HEV technologies, chassis systems, steering control systems, and state, parameter and force estimations. The book is highly illustrated, and examples will be given

throughout the book based on real applications and challenges in the automotive industry. Designed to help a new generation of engineers needing to master the principles of and further advances in hybrid vehicle technology Includes examples of real applications and challenges in the automotive industry with problems and solutions Takes a mechatronics approach to the study of electric and hybrid electric vehicles, appealing to mechanical and electrical engineering interests Responds to the increase in demand of universities offering courses in newer electric vehicle technologies

Manufacturing USA: SIC 3312-3999

Since the last publication of the Ernst and Young book on Tandem security in the early 90's, there has been no such book on the subject. We've taken on the task of supplying a new Handbook whose content provides current, generic information about securing HP NonStop servers. Emphasis is placed on explaining security risks and best practices relevant to NonStop environments, and how to deploy native security tools (Guardian and Safeguard). All third party vendors who supply security solutions relevant to NonStop servers are listed, along with contact information for each vendor. The Handbook is a source for critical information to NonStop professionals and NonStop security administrators in particular. However, it is written in such a way as to also be extremely useful to readers new to the NonStop platform and to information security. This handbook familiarizes auditors

and those responsible for security configuration and monitoring with the aspects of the HP NonStop server operating system that make the NonStop Server unique, the security risks these aspects create, and the best ways to mitigate these risks. · Addresses the lack of security standards for the NonStop server · Provides information robust enough to train more security-knowledgeable staff · The ideal accompaniment to any new HP NonStop system

Air and Gas Drilling Manual

As optical technologies move closer to the core of modern computer architecture, there arise many challenges in building optical capabilities from the network to the motherboard. Rapid advances in integrated optics technologies are making this a reality. However, no comprehensive, up-to-date reference is available to the technologies and principles underlying the field. The Encyclopedic Handbook of Integrated Optics fills this void, collecting the work of 53 leading experts into a compilation of the most important concepts, phenomena, technologies, and terms covering all related fields. This unique book consists of two types of entries: the first is a detailed, full-length description; the other, a concise overview of the topic. Additionally, the coverage can be divided into four broad areas: A survey of the basics of integrated optics, exploring theory, practical concerns, and the fundamentals behind optical devices Focused discussion on devices and components such as arrayed waveguide grating, various types of lasers, optical

amplifiers, and optoelectronic devices In-depth examination of subsystems including MEMS, optical pickup, and planar lightwave circuits Finally, systems considerations such as multiplexing, demultiplexing, 3R circuits, transmission, and reception Offering a broad and complete treatment of the field, the Encyclopedic Handbook of Integrated Optics is the complete guide to the fundamentals, principles, and applications of integrated optics technology.

Conjectures and Refutations

For beginning, intermediate, and advanced users, this book offers complete coverage of UNIX. Offering information on basic UNIX, programming UNIX, communications and networking, the book also discusses new, more advanced tools such as Perl and presents in-depth discussions of the Internet, Windows, Linux, the bestselling UNIX systems, and more.

Secure Messaging Scenarios with WebSphere MQ

The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By

the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

Handbook of Lubrication and Tribology

Mechanical Drives

Whether an airplane or a space shuttle, a flying machine requires advanced materials to provide a strong, lightweight body and a powerful engine that functions at high temperature. The Aerospace Materials Handbook examines these materials, covering traditional superalloys as well as more recently developed light alloys. Capturing state-of-the-art d

Data Definition Language (DDL) Reference Manual

There is no denying the role of empirical research in finance and the remarkable progress of empirical techniques in this research field. This Special Issue focuses on the broad topic of "Empirical Finance" and includes novel empirical research associated with financial data. One example includes the application of novel empirical techniques, such as machine learning, data mining, wavelet transform, copula analysis, and TV-VAR, to financial data. The Special Issue includes contributions on empirical finance, such as algorithmic trading, market efficiency, market microstructure, portfolio theory and asset allocation, asset pricing models,

liquidity risk premium, currency crisis, return predictability, and volatility modeling.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION