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Progress in Combustion Diagnostics, Science and Technology Automotive User Interfaces Standard Catalog of Imported Cars, 1946-1990 How to Rebuild Honda B-Series Engines Engine of Inequality The Nineteen Letters of Ben Uziel Honda Engine Swaps Solving Business Problems with Informix TimeSeries Automotive Engineering e-Mega Reference Corvette Stingray Finite Difference Computing with PDEs Medium/Heavy Duty Truck Engines, Fuel & Computerized Management Systems Hi-Lux Prado Motorcycle Fuel Injection Handbook The Validation Breakthrough American Multinationals and Japan An Introduction to Neural Information Retrieval Independent Theatre in Contemporary Europe CMIS and Apache Chemistry in Action Build Your Own Security Lab Cyber Warfare and Cyber Terrorism Finance for Normal People Mathematical Finance Handbook of Sepsis Validation Techniques for Dementia Care Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles Basic Geophysics Aptitude Test Problems in Physics Manual of the Freemasonry Lodge Corrective Physical Education for Groups Advanced Information Systems Engineering Handbook of Driver Assistance Systems Malay-English Vocabulary Data Analytics for

Intelligent Transportation Systems Algorithm Design  
Introduction to Machine Learning The ETF Book  
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Modeling and Simulation with Modelica 2.1

Communication and relationship difficulties are among the most frustrating aspects of caring for older adults with dementia. Overcome these challenges using the compassionate and empathetic techniques of the Validation approach. Pioneered by social worker Naomi Feil more than 40 years ago, Validation has helped families and professional caregivers improve communication, sidestep conflict, and maintain connections by validating expressed feelings rather than by focusing on an older adult's confusion. The officially licensed *Corvette Stingray: The Mid-Engine Revolution* chronicles the full development story behind Chevrolet's re-imagined sports car with an engaging, detailed text and photography from GM's archives and Corvette team members. Corvette is Chevrolet's iconic performance car. Its importance to the brand cannot be overstated. Thus each new generation is sweated by Chevy's designers, engineers, marketing staff, and executives to ensure that it sets the bar higher than the preceding version. With the eighth generation, Chevrolet has done more than raise the bar or move the goalpost—they've torn down the stadium and started from scratch. For the first time ever in a production version, the new Corvette features a mid-engine configuration. Though Corvette engineers

have experimented with this engine placement over the past several decades, 2020 marks the first time GM has committed it to production cars. Corvette already had prodigious power on tap, but its front-engine configuration put some limitations on its handling and traction. The new mid-engine Corvette eliminates any final performance barriers and takes the battle to supercar rivals like Ferrari, Lamborghini, and McLaren. It's the story every Corvette fan needs to read. Michael Goodrich and Roberto Tamassia, authors of the successful, *Data Structures and Algorithms in Java, 2/e*, have written *Algorithm Engineering*, a text designed to provide a comprehensive introduction to the design, implementation and analysis of computer algorithms and data structures from a modern perspective. This book offers theoretical analysis techniques as well as algorithmic design patterns and experimental methods for the engineering of algorithms. Market: Computer Scientists; Programmers. Introduction -- Supervised learning -- Bayesian decision theory -- Parametric methods -- Multivariate methods -- Dimensionality reduction -- Clustering -- Nonparametric methods -- Decision trees -- Linear discrimination -- Multilayer perceptrons -- Local models -- Kernel machines -- Graphical models -- Brief contents -- Hidden markov models -- Bayesian estimation -- Combining multiple learners -- Reinforcement learning -- Design and analysis of machine learning experiments. "This book reviews problems, issues, and presentations of the newest

research in the field of cyberwarfare and cyberterrorism. While enormous efficiencies have been gained as a result of computers and telecommunications technologies, use of these systems and networks translates into a major concentration of information resources, creating a vulnerability to a host of attacks and exploitations"--Provided by publisher. Innovative text focusing on engine design and fluid dynamics, with numerous illustrations and a web-based software tool. This book constitutes the refereed proceedings of the 29th International Conference on Advanced Information Systems Engineering, CAiSE 2017, held in Essen, Germany, in June 2017. The 37 papers presented together with 3 keynote papers in this volume were carefully reviewed and selected from 175 submissions. The papers are organized in topical sections on information systems architecture; business process alignment; user knowledge discovery; business process performance; big data exploration; process variability management; information systems transformation and evolution; business process modeling readability; business process adaption; data mining; process discovery; business process modeling notation. Summary CMIS and Apache Chemistry in Action is a comprehensive guide to the CMIS standard and related ECM concepts, written by the authors of the standard. In it, you'll tackle hands-on examples for building applications on CMIS repositories from both the client and the server sides. You'll learn how to create new

content-centric applications that install and run in any CMIS-compliant repository. About The Technology Content Management Interoperability Services (CMIS) is an OASIS standard for accessing content management systems. It specifies a vendor- and language-neutral way to interact with any compliant content repository. Apache Chemistry provides complete reference implementations of the CMIS standard with robust APIs for developers writing tools, applications, and servers. About This Book CMIS and Apache Chemistry in Action is a comprehensive guide to the CMIS standard and related ECM concepts. In it, you'll find clear teaching and instantly useful examples for building content-centric client and server-side applications that run against any CMIS-compliant repository. In fact, using the CMIS Workbench and the InMemory Repository from Apache Chemistry, you'll have running code talking to a real CMIS server by the end of chapter 1. This book requires some familiarity with content management systems and a standard programming language like Java or C#. No exposure to CMIS or Apache Chemistry is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside The only CMIS book endorsed by OASIS Complete coverage of the CMIS 1.0 and 1.1 specifications Cookbook-style tutorials and real-world examples About the Authors Florian Müller, Jay Brown, and Jeff Potts are among the original authors, contributors, and leaders of Apache Chemistry and the OASIS CMIS specification.

They continue to shape CMIS implementations at Alfresco, IBM, and SAP.

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CMIS bindings Security and control Performance Building a CMIS server Data Analytics for Intelligent Transportation Systems provides in-depth coverage of data-enabled methods for analyzing intelligent transportation systems that includes detailed coverage of the tools needed to implement these methods using big data analytics and other computing techniques. The book examines the major characteristics of connected transportation systems, along with the fundamental concepts of how to analyze the data they produce. It explores collecting, archiving, processing, and distributing the data, designing data infrastructures, data management and delivery systems, and the required hardware and software technologies. Users will learn how to design effective data visualizations, tactics on the planning process, and how to evaluate alternative data analytics for different connected transportation applications, along with key safety and environmental applications for both commercial and passenger vehicles,

data privacy and security issues, and the role of social media data in traffic planning. Includes case studies in each chapter that illustrate the application of concepts covered Presents extensive coverage of existing and forthcoming intelligent transportation systems and data analytics technologies Contains contributors from both leading academic and commercial researchers Explains how to design effective data visualizations, tactics on the planning process, and how to evaluate alternative data analytics for different connected transportation applications

**Key Features:**A large number of preparatory problems with solutions to sharpen problem-solving aptitude in physics. Ideal for developing an intuitive approach to physics. Inclusion of a number of problems from the suggestions of the jury of recent Moscow Olympiads.

**About the Book:**The book helps the students in sharpening the problem-solving aptitude in physics. It also guides the students on the ways of approaching a problem and getting its solution. The book also raises the level of learning of physics by practicing problem-solving. It will be especially useful to those who have studied general physics and want to improve their knowledge or try their strength at non-standard problems or to develop an intuitive approach to physics. A feature of the book is that the most difficult problems are marked by asterisks. This book will prove beneficial for the students of the senior secondary, undergraduate courses. It will also help those students who are preparing for engineering, medical entrance examinations and for

physics Olympiads. This practically oriented book provides an up-to-date overview of all significant aspects of the pathogenesis of sepsis and its management, including within the intensive care unit. Readers will find information on the involvement of the coagulation and endocrine systems during sepsis and on the use of biomarkers to diagnose sepsis and allow early intervention. International clinical practice guidelines for the management of sepsis are presented, and individual chapters focus on aspects such as fluid resuscitation, vasopressor therapy, response to multiorgan failure, antimicrobial therapy, and adjunctive immunotherapy. The closing section looks forward to the coming decade, discussing novel trial designs, sepsis in low- and middle-income countries, and emerging management approaches. The book is international in scope, with contributions from leading experts worldwide. It will be of value to residents and professionals/practitioners in the fields of infectious diseases and internal medicine, as well as to GPs and medical students. A balanced introduction to the theoretical foundations and real-world applications of mathematical finance The ever-growing use of derivative products makes it essential for financial industry practitioners to have a solid understanding of derivative pricing. To cope with the growing complexity, narrowing margins, and shortening life-cycle of the individual derivative product, an efficient, yet modular, implementation of the pricing algorithms is necessary. Mathematical Finance is the first book to harmonize the



theory, modeling, and implementation of today's most prevalent pricing models under one convenient cover. Building a bridge from academia to practice, this self-contained text applies theoretical concepts to real-world examples and introduces state-of-the-art, object-oriented programming techniques that equip the reader with the conceptual and illustrative tools needed to understand and develop successful derivative pricing models. Utilizing almost twenty years of academic and industry experience, the author discusses the mathematical concepts that are the foundation of commonly used derivative pricing models, and insightful Motivation and Interpretation sections for each concept are presented to further illustrate the relationship between theory and practice. In-depth coverage of the common characteristics found amongst successful pricing models are provided in addition to key techniques and tips for the construction of these models. The opportunity to interactively explore the book's principal ideas and methodologies is made possible via a related Web site that features interactive Java experiments and exercises. While a high standard of mathematical precision is retained, *Mathematical Finance* emphasizes practical motivations, interpretations, and results and is an excellent textbook for students in mathematical finance, computational finance, and derivative pricing courses at the upper undergraduate or beginning graduate level. It also serves as a valuable reference for professionals in the banking, insurance, and asset management

industries. The role that combustion plays in the world's energy systems will continue to evolve with the changes in technological demands. For example, the challenges that we face today are more focused on the conservation of energy and addressing environmental concerns, which together necessitate cleaner and more efficient combustion processes using a range of fuel sources. This book includes contributions to highlight the recent progress in theory and experiments, development, and demonstration of technologies and systems involving combustion processes, for the production, storage, use, and conservation of energy. 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. For a thorough comprehension of the field of geophysics, we need to understand its origins. *Basic Geophysics* by Enders Robinson and Dean Clark takes us on a journey that demonstrates how the achievements of our predecessors have paved the way for our modern science. From the ancient Greeks through the Enlightenment to the greats of the contemporary age, the reasoning behind basic principles is explored and clarified. With that foundation, several advanced topics are examined, including: the 3D wave equation; ray tracing and seismic modeling;

reflection, refraction, and diffraction; and WKB migration. The successful integration of the historical narrative alongside practical analysis of relevant principles makes this book an excellent resource for both novices and professionals, and all readers will gain insight and appreciation for the seismic theory that underlies modern exploration seismology. This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature. This book is open access under a CC BY 4.0 license. This easy-to-read book introduces the basics of solving partial differential equations by means of finite difference methods. Unlike many of the traditional academic works on the topic, this book was written for practitioners. Accordingly, it especially addresses: the construction of finite difference schemes, formulation and implementation of algorithms, verification of implementations, analyses of physical behavior as implied by the numerical solutions, and how to apply the methods and software to solve problems in the fields of physics and biology. This fundamental work explains in detail systems for active safety and driver assistance, considering both their structure and their function. These include the well-known standard systems such as Anti-lock braking system (ABS), Electronic

Stability Control (ESC) or Adaptive Cruise Control (ACC). But it includes also new systems for protecting collisions protection, for changing the lane, or for convenient parking. The book aims at giving a complete picture focusing on the entire system. First, it describes the components which are necessary for assistance systems, such as sensors, actuators, mechatronic subsystems, and control elements. Then, it explains key features for the user-friendly design of human-machine interfaces between driver and assistance system. Finally, important characteristic features of driver assistance systems for particular vehicles are presented: Systems for commercial vehicles and motorcycles.

Manual of the Freemasonry Lodge is a book about the Freemasonry which provides monitorial instructions in the degrees of Entered Apprentice, Fellow Craft, and Master Mason arranged in accordance with the American System of Lectures. To those are added the Ceremonies of the Order Past Master, relating to installations, dedications, consecrations and laying of Corner-Stones. The aim of the work was to explain and supply means of enabling the reader more thoroughly to understand the ceremonies through which the young Mason or the recent initiate passes and to extend his researches into that sublime system of symbolism of the craft. The first book of its kind, How to Rebuild the Honda B-Series Engine shows exactly how to rebuild the ever-popular Honda B-series engine. The book explains variations between the different B-series designations and elaborates upon the

features that make this engine family such a tremendous and reliable design. Honda B-series engines are some of the most popular for enthusiasts to swap, and they came in many popular Honda and Acura models over the years, including the Civic, Integra, Accord, Prelude, CRX, del Sol, and even the CR-V. In this special Workbench book, author Jason Siu uses more than 600 photos, charts, and illustrations to give simple step-by-step instructions on disassembly, cleaning, machining tips, pre-assembly fitting, and final assembly. This book gives considerations for both stock and performance rebuilds. It also guides you through both the easy and tricky procedures, showing you how to rebuild your engine and ensure it is working perfectly. Dealing with considerations for all B-series engines-foreign and domestic, VTEC and non-VTEC-the book also illustrates many of the wildly vast performance components, accessories, and upgrades available for B-series engines. As with all Workbench titles, this book details and highlights special components, tools, chemicals, and other accessories needed to get the job done right, the first time. Appendices are packed full of valuable reference information, and the book includes a Work-Along-Sheet to help you record vital statistics and measurements along the way. You'll even find tips that will help you save money without compromising top-notch results. Efficient Query Processing for Scalable Web Search will be a valuable reference for researchers and developers working on This tutorial provides an accessible, yet

comprehensive, overview of the state-of-the-art of Neural Information Retrieval. Suitable for advanced undergraduates and graduate students, this text introduces theoretical and practical aspects of adaptive control. It offers an excellent perspective on techniques as well as an active knowledge of key approaches. Readers will acquire a well-developed sense of when to use adaptive techniques and when other methods are more appropriate. Starting with a broad overview, the text explores real-time estimation, self-tuning regulators and model-reference adaptive systems, stochastic adaptive control, and automatic tuning of regulators. Additional topics include gain scheduling, robust high-gain control and self-oscillating controllers, and suggestions for implementing adaptive controllers. Concluding chapters feature a summary of applications and a brief review of additional areas closely related to adaptive control. Both authors are Professors at the Lund Institute of Technology in Sweden, and this text has evolved from their many years of research and teaching. Their insights into properties, design procedures, and implementation of adaptive controllers are complemented by the numerous examples, simulations, and problems that appear throughout the book. When it comes to their personal transportation, today's youth have shunned the large, heavy performance cars of their parents' generation and instead embraced what has become known as the "sport compact"--smaller, lightweight, modern sports cars of predominantly

Japanese manufacture. These cars respond well to performance modifications due to their light weight and technology-laden, high-revving engines. And by far, the most sought-after and modified cars are the Hondas and Acuras of the mid-'80s to the present. An extremely popular method of improving vehicle performance is a process known as engine swapping. Engine swapping consists of removing a more powerful engine from a better-equipped or more modern vehicle and installing it into your own. It is one of the most efficient and affordable methods of improving your vehicle's performance. This book covers in detail all the most popular performance swaps for Honda Civic, Accord, and Prelude as well as the Acura Integra. It includes vital information on electrics, fit, and drivetrain compatibility, design considerations, step-by-step instruction, and costs. This book is must-have for the Honda enthusiast. Over the past 20 years European theatre underwent fundamental changes in terms of aesthetic focus, institutional structure and in its position in society. The impetus for these changes was provided by a new generation in the independent theatre scene. This book brings together studies on the state of independent theatre in different European countries, focusing on the fields of dance and performance, children and youth theatre, theatre and migration and post-migrant theatre. Additionally, it includes essays on experimental musical theatre and different cultural policies for independent theatre scenes in a range of European countries. This



book focuses on automotive user interfaces for in-vehicle usage, looking at car electronics, its software of hidden technologies (e.g., ASP, ESP), comfort functions (e.g., navigation, communication, entertainment) and driver assistance (e.g., distance checking). The increased complexity of automotive user interfaces, driven by the need for using consumer electronic devices in cars as well as autonomous driving, has sparked a plethora of new research within this field of study. Covering a broad spectrum of detailed topics, the authors of this edited volume offer an outstanding overview of the current state of the art; providing deep insights into usability and user experience, interaction techniques and technologies as well as methods, tools and its applications, exploring the increasing importance of Human-Computer-Interaction (HCI) within the automotive industry Automotive User Interfaces is intended as an authoritative and valuable resource for professional practitioners and researchers alike, as well as computer science and engineering students who are interested in automotive interfaces. This book provides a wealth of detailed information that collectors, investors, and restorers of imported cars will not find in any other book. This massive volume spans the marques of imported vehicles. The list includes such familiar names as Alfa Romeo, Aston Martin, Bentley, Citroen, Jaguar, Lamborghini, Porsche, Rolls-Royce, Saab, and Volkswagon. Also in these pages, you'll find details on such lesser-known yet no less intriguing marques as Abarth, DAF, Frazer Nash, Humber, Iso,

Nardi, Panhard, Peerless, Sabra and Skoda. The book also highlights model changes and corporate histories and provides value information on the most popular models of imported cars. The first book to reveal how the Federal Reserve holds the key to making us more economically equal, written by an author with unparalleled expertise in the real world of financial policy. Following the 2008 financial crisis, the Federal Reserve's monetary policy placed much greater focus on stabilizing the market than on helping struggling Americans. As a result, the richest Americans got a lot richer while the middle class shrank and economic and wealth inequality skyrocketed. In *Engine of Inequality*, Karen Petrou offers pragmatic solutions for creating more inclusive monetary policy and equality-enhancing financial regulation as quickly and painlessly as possible. Karen Petrou is a leading financial-policy analyst and consultant with unrivaled knowledge of what drives the decisions of federal officials and how big banks respond to financial policy in the real world. Instead of proposing legislation that would never pass Congress, the author provides an insider's look at politically plausible, high-impact financial policy fixes that will radically shift the equality balance. Offering an innovative, powerful, and highly practical solution for immediately turning around the enormous nationwide problem of economic inequality, this groundbreaking book: Presents practical ways America can and should tackle economic inequality with fast-acting results Provides revealing examples of exactly

how bad economic inequality in America has become no matter how hard we all work Demonstrates that increasing inequality is disastrous for long-term economic growth, political action, and even personal happiness Explains why your bank's interest rates are still only a fraction of what they were even though the rich are getting richer than ever, faster than ever Reveals the dangers of FinTech and BigTech companies taking over banking Shows how Facebook wants to control even the dollars in your wallet Discusses who shares the blame for our economic inequality, including the Fed, regulators, Congress, and even economists Engine of Inequality: The Fed and the Future of Wealth in America should be required reading for leaders, policymakers, regulators, media professionals, and all Americans wanting to ensure that the nation's financial policy will be a force for promoting economic equality. Written by veteran financial professional and experienced author Richard Ferri, The ETF Book gives you a broad and deep understanding of this important investment vehicle and provides you with the tools needed to successfully integrate exchange-traded funds into any portfolio. Each chapter of The ETF Book offers concise coverage of various issues and is filled with in-depth insights on different types of ETFs as well as practical advice on how to select and manage them. Provides an introduction to modern object-oriented design principles and applications for the fast-growing area of modeling and simulation Covers the topic of multi-domain system

modeling and design with applications that have components from several areas Serves as a reference for the Modelica language as well as a comprehensive overview of application model libraries for a number of application domains If your job is to design or implement IT security solutions or if you're studying for any security certification, this is the how-to guide you've been looking for. Here's how to assess your needs, gather the tools, and create a controlled environment in which you can experiment, test, and develop the solutions that work. With liberal examples from real-world scenarios, it tells you exactly how to implement a strategy to secure your systems now and in the future. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. The Validation Breakthrough is an essential resource for all settings providing dementia care including assisted living facilities, nursing homes, skilled nursing facilities, hospice, home health care, adult day services, family care settings, and more. "This pioneering study of United States direct investment in Japan will interest academic specialists, business managers, and government policymakers in America, Japan, and elsewhere. Drawing on rich historical materials from both sides of the Pacific, including corporate records and government documents never before made public, Mason examines the development of both Japanese policy towards foreign investment and the strategic responses of American corporations. This history is related in part through original case studies of Coca-Cola, Dow

Chemical, Ford, General Motors, International Business Machines, Motorola, Otis Elevator, Texas Instruments, Western Electric, and Victor Talking Machine. The book seeks to explain why a little foreign direct investment has entered modern Japan. In contrast to the widely held view that emphasizes an alleged lack of effort on the part of foreign corporations, this study finds that Japanese restrictions merit greater attention. Many analysts of the modern Japanese political economy identify the Japanese government as the key actor in initiating such restrictions. Mason finds that the influence of Japanese business has often proved more potent than these analysts suggest. This book offers fresh insights into both the operation of the modern Japanese political economy and of its relations with the world economy." Finance for Normal People teaches behavioral finance to people like you and me - normal people, neither rational nor irrational. We are consumers, savers, investors, and managers - corporate managers, money managers, financial advisers, and all other financial professionals. The book guides us to know our wants-including hope for riches, protection from poverty, caring for family, sincere social responsibility and high social status. It teaches financial facts and human behavior, including making cognitive and emotional shortcuts and avoiding cognitive and emotional errors such as overconfidence, hindsight, exaggerated fear, and unrealistic hope. And it guides us to banish ignorance, gain knowledge, and increase the ratio of smart to foolish behavior on our way to what we

want. These lessons of behavioral finance draw on what we know about us-normal people-including our wants, cognition, and emotions. And they draw on the roles of these factors in saving and spending, portfolio construction, returns we can expect from our investments, and whether we can hope to beat the market. Meir Statman, a founder of behavioral finance, draws on his extensive research and the research of many others to build a unified structure of behavioral finance. Its foundation blocks include normal behavior, behavioral portfolio theory, behavioral life-cycle theory, behavioral asset pricing theory, and behavioral market efficiency. The world is becoming more and more instrumented, interconnected, and intelligent in what IBM® terms a smarter planet, with more and more data being collected for analysis. In trade magazines, this trend is called big data. As part of this trend, the following types of time-based information are collected: Large data centers support a corporation or provide cloud services. These data centers need to collect temperature, humidity, and other types of information over time to optimize energy usage. Utility meters (referred to as smart meters) allow utility companies to collect information over a wireless network and to collect more data than ever before. IBM Informix® TimeSeries is optimized for the processing of time-based data and can provide the following benefits: Storage savings: Storage can be optimized when you know the characteristics of your time-based data. Informix TimeSeries often uses one

third of the storage space that is required by a standard relational database. Query performance: Informix TimeSeries takes into consideration the type of data to optimize its organization on disk and eliminates the need for some large indexes and additional sorting. For these reasons and more, some queries can easily have an order of magnitude performance improvement compared to standard relational. Simpler queries: Informix TimeSeries includes a large set of specialized functions that allow you to better express the processing that you want to execute. It even provides a toolkit so that you can add proprietary algorithms to the library. This IBM Redbooks® publication is for people who want to implement a solution that revolves around time-based data. It gives you the information that you need to get started and be productive with Informix TimeSeries. Succeed in your career in the dynamic field of commercial truck engine service with this latest edition of the most comprehensive guide to highway diesel engines and their management systems available today! Ideal for students, entry-level technicians, and experienced professionals, **MEDIUM/HEAVY DUTY TRUCK ENGINES, FUEL & COMPUTERIZED MANAGEMENT SYSTEMS**, Fifth Edition, covers the full range of commercial vehicle diesel engines, from light- to heavy-duty, as well as the most current management electronics used in the industry. In addition, dedicated chapters deal with natural gas (NG) fuel systems (CNG and LPG), alternate fuels, and hybrid drive systems. The book addresses the

latest ASE Education Foundation tasks, provides a unique emphasis on the modern multiplexed chassis, and will serve as a valuable toolbox reference throughout your career. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This one-stop Mega Reference eBook brings together the essential professional reference content from leading international contributors in the automotive field. An expansion the Automotive Engineering print edition, this fully searchable electronic reference book of 2500 pages delivers content to meet all the main information needs of engineers working in vehicle design and development. Material ranges from basic to advanced topics from engines and transmissions to vehicle dynamics and modelling. \* A fully searchable Mega Reference Ebook, providing all the essential material needed by Automotive Engineers on a day-to-day basis. \* Fundamentals, key techniques, engineering best practice and rules-of-thumb together in one quick-reference. \* Over 2,500 pages of reference material, including over 1,500 pages not included in the print edition

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