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Taming Text

Hydrogen Energy

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Provides practical examples showing how to work with text in applications, covering such topics as proper name recognition, clustering, tagging, full-text search, and information extraction.

Breaking the Mishap Chain

Highly acclaimed for its comprehensive coverage of the aviation industries and their products, from the turn of the century to the present, this popular series includes an abundance of photos and highly accurate line drawings. Each volume provides fascinating evaluations of aircraft design and construction and complete histories of aircraft manufacturers.

John Haynes

18th International Conference on Circuits (part of CSCC '14)2014 International Conference on Mechatronics and Robotics, Structural Analysis (MEROSTA 2014)

Porsche Drive

Newton-Euler Dynamics

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Hatchback, including special/limited editions. Does NOT cover features specific to Dune models, or facelifted Polo range introduced June 2005. Petrol: 1.2 litre (1198cc) 3-cyl & 1.4 litre (1390cc, non-FSI) 4-cyl. Does NOT cover 1.4 litre FSI engines. Diesel: 1.4 litre (1422cc) 3-cyl & 1.9 litre (1896cc) 4-cyl, inc. PD TDI / turbo.

Testing Microservices with Mountebank

This volume contains a collection of case studies of mishaps involving experimental aircraft, aerospace vehicles, and spacecraft in which human factors played a significant role. In all cases the engineers involved, the leaders and managers, and the operators (i.e., pilots and astronauts) were supremely qualified and by all accounts superior performers. Such accidents and incidents rarely resulted from a single cause but were the outcome of a chain of events in which altering at least one element might have prevented disaster. As such, this work is most certainly not an anthology of blame. It is offered as a learning tool so that future organizations, programs, and projects may not be destined to repeat the mistakes of the past. These lessons were learned at high material and personal costs and should not be lost to the pages of history.

VW Polo Petrol & Diesel Service & Repair Manual

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Brings novel insights to a vibrant research area with high application potential?covering materials, physics, architecture, and integration aspects of future generation CMOS electronics technology Over the last four decades we have seen tremendous growth in semiconductor electronics. This growth has been fueled by the matured complementary metal oxide semiconductor (CMOS) technology. This comprehensive book captures the novel device options in CMOS technology that can be realized using non-silicon semiconductors. It discusses germanium, III-V materials, carbon nanotubes and graphene as semiconducting materials for three-dimensional field-effect transistors. It also covers non-conventional materials such as nanowires and nanotubes. Additionally, nanoelectromechanical switches-based mechanical relays and wide bandgap semiconductor-based terahertz electronics are reviewed as essential add-on electronics for enhanced communication and computational capabilities. Advanced Nanoelectronics: Post-Silicon Materials and Devices begins with a discussion of the future of CMOS. It continues with comprehensive chapter coverage of: nanowire field effect transistors; two-dimensional materials for electronic applications; the challenges and breakthroughs of the integration of germanium into modern CMOS; carbon nanotube logic technology; tunnel field effect transistors; energy efficient computing with negative capacitance; spin-based devices for logic, memory and non-Boolean architectures; and terahertz properties and applications of GaN. -Puts forward novel approaches for future, state-of-the-art, nanoelectronic devices

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-Discusses emerging materials and architectures such as alternate channel material like germanium, gallium nitride, 1D nanowires/tubes, 2D graphene, and other dichalcogenide materials and ferroelectrics -Examines new physics such as spintronics, negative capacitance, quantum computing, and 3D-IC technology -Brings together the latest developments in the field for easy reference -Enables academic and R&D researchers in semiconductors to "think outside the box" and explore beyond silica An important resource for future generation CMOS electronics technology, Advanced Nanoelectronics: Post-Silicon Materials and Devices will appeal to materials scientists, semiconductor physicists, semiconductor industry, and electrical engineers.

Fire and Water Engineering

Automatic Control of Atmospheric and Space Flight Vehicles is perhaps the first book on the market to present a unified and straightforward study of the design and analysis of automatic control systems for both atmospheric and space flight vehicles. Covering basic control theory and design concepts, it is meant as a textbook for senior undergraduate and graduate students in modern courses on flight control systems. In addition to the basics of flight control, this book covers a number of upper-level topics and will therefore be of interest not only to advanced students, but also to researchers and practitioners in aeronautical engineering, applied mathematics, and systems/control theory.

Spring Integration in Action

Zeolites occur in nature and have been known for almost 250 years as aluminosilicate minerals. Examples are clinoptilolite, mordenite, offretite, ferrierite, erionite and chabazite. Today, most of these and many other zeolites are of great interest in heterogeneous catalysis, yet their naturally occurring forms are of limited value as catalysts because nature has not optimized their properties for catalytic applications and the naturally occurring zeolites almost always contain undesired impurity phases. It was only with the advent of synthetic zeolites in the period from about 1948 to 1959 (thanks to the pioneering work of R. M. Barrer and R. M. Milton) that this class of porous materials began to play a role in catalysis. A landmark event was the introduction of synthetic faujasites (zeolite X at first, zeolite Y slightly later) as catalysts in fluid catalytic cracking (FCC) of heavy petroleum distillates in 1962, one of the most important chemical processes with a worldwide capacity of the order of 500 million t/a. Compared to the previously used amorphous silica-alumina catalysts, the zeolites were not only orders of magnitude more active, which enabled drastic process engineering improvements to be made, but they also brought about a significant increase in the yield of the target product, viz. motor gasoline. With the huge FCC capacity worldwide, the added value of this yield enhancement is of the order of 10 billion US \$ per year.

Analysis And Digital Simulation Of Carburetor Metering

This book contains the complete George Eliot's novels in the chronological order of their original publication. [1859] Adam Bede [1860] The Mill on the Floss [1861] Silas Marner: The Weaver of Raveloe [1862-1863] Romola [1866] Felix Holt the Radical [1871-1872] Middlemarch: a study of provincial life [1876] Daniel Deronda

The Phone Book

Seat Ibiza Service and Repair Manual

With a Haynes manual, you can do it yourself from simple maintenance to basic repairs. Haynes writes every book based on a complete teardown of the motorcycle. We learn the best ways to do a job and that makes it quicker, easier and cheaper for you. Our books have clear instructions and hundreds of photographs that show each step. Whether you're a beginner or a pro, you can save big with Haynes --Step-by-step procedures --Easy-to-follow photos --Complete troubleshooting section --Valuable short cuts --Model history and pre-ride checks in color --Color spark plug diagnosis and wiring diagrams --Tools & workshop tips section in color Complete coverage for your 1991 thru 2005 Ducati 600, 620, 750

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and 900 2-valve V-Twins: --Routine Maintenance and servicing--Tune-up procedures--Engine, clutch and transmission repair--Cooling system--Fuel and exhaust--Ignition and electrical systems--Brakes, wheels and tires--Steering, suspension and final drive--Frame and bodywork--Wiring diagrams--Reference Section

Inside 2000

Graph Databases in Action teaches readers everything they need to know to begin building and running applications powered by graph databases. Right off the bat, seasoned graph database experts introduce readers to just enough graph theory, the graph database ecosystem, and a variety of datastores. They also explore modelling basics in action with real-world examples, then go hands-on with querying, coding traversals, parsing results, and other essential tasks as readers build their own graph-backed social network app complete with a recommendation engine! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Automatic Control of Atmospheric and Space Flight Vehicles

Autocar

This text presents an engaging exposition of the active field of high-dimensional percolation that will likely provide an impetus for future work. With over 90 exercises designed to enhance the reader's understanding of the material, as well as many open problems, the book is aimed at graduate students and researchers who wish to enter the world of this rich topic. The text may also be useful in advanced courses and seminars, as well as for reference and individual study. Part I, consisting of 3 chapters, presents a general introduction to percolation, stating the main results, defining the central objects, and proving its main properties. No prior knowledge of percolation is assumed. Part II, consisting of Chapters 4–9, discusses mean-field critical behavior by describing the two main techniques used, namely, differential inequalities and the lace expansion. In Parts I and II, all results are proved, making this the first self-contained text discussing high-dimensional percolation. Part III, consisting of Chapters 10–13, describes recent progress in high-dimensional percolation. Partial proofs and substantial overviews of how the proofs are obtained are given. In many of these results, the lace expansion and differential inequalities or their discrete analogues are central. Part IV, consisting of Chapters 14–16, features related models and further open problems, with a focus on the big picture.

Refactoring to Patterns

HADOOP IN ACTION

Unlike other books on this subject, which tend to concentrate on 2-D dynamics, this text focuses on the application of Newton-Euler methods to complex, real-life 3-D dynamics problems. It is thus ideal for elective courses in intermediate dynamics.

George Eliot - The Complete Novels

This book describes the challenges and solutions the energy sector faces by shifting towards a hydrogen based fuel economy. The most current and up-to-date efforts of countries and leaders in the automotive sector are reviewed as they strive to develop technology and find solutions to production, storage, and distribution challenges. Hydrogen fuel is a zero-emission fuel when burned with oxygen and is often used with electrochemical cells, or combustion in internal engines, to power vehicles and electric devices. This book offers unique solutions to integrating renewable sources of energy like wind or solar power into the production of hydrogen fuel, making it a cost effective, efficient and truly

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renewable alternative fuel.

Advanced Nanoelectronics

This book provides an introduction to the underlying theory, fundamentals, and applications of EPR spectroscopy, as well as new developments in the area. Knowledge of the topics presented will allow the reader to interpret of a wide range of EPR spectra, as well as help them to apply EPR techniques to problem solving in a wide range of areas: organic, inorganic, biological, and analytical chemistry; chemical physics, geophysics, and mineralogy. Includes updated information on high frequency and multi-frequency EPR, pulsed microwave techniques and spectra analysis, dynamic effects, relaxation phenomena, computer-based spectra simulation, biomedical aspects of EPR, and more Equips readers with sufficient knowledge of EPR techniques to go on in their specialized area of interest Provides problem sets and concise bibliographies at the end of each chapter, plus several tutorial appendices on topics like mathematical operations, quantum mechanics of angular momentum, experimental considerations.

Dictionary of Hard Words

Catalysis and Zeolites

General Dynamics Aircraft and Their Predecessors

Advances in Dairy Technology

In 1994, Design Patterns changed the landscape of object-oriented development by introducing classic solutions to recurring design problems. In 1999, Refactoring revolutionized design by introducing an effective process for improving code. With the highly anticipated Refactoring to Patterns , Joshua Kerievsky has changed our approach to design by forever uniting patterns with the evolutionary process of refactoring. This book introduces the theory and practice of pattern-directed refactorings: sequences of low-level refactorings that allow designers to safely move designs to, towards, or away from pattern implementations. Using code from real-world projects, Kerievsky documents the thinking and steps underlying over two dozen pattern-based design transformations. Along the way he offers insights into pattern differences and how to implement patterns in the simplest possible ways. Coverage includes: A catalog of twenty-seven pattern-directed refactorings, featuring real-world code examples Descriptions of twelve design smells that

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indicate the need for this book's refactorings General information and new insights about patterns and refactoring Detailed implementation mechanics: how low-level refactorings are combined to implement high-level patterns Multiple ways to implement the same pattern—and when to use each Practical ways to get started even if you have little experience with patterns or refactoring Refactoring to Patterns reflects three years of refinement and the insights of more than sixty software engineering thought leaders in the global patterns, refactoring, and agile development communities. Whether you're focused on legacy or "greenfield" development, this book will make you a better software designer by helping you learn how to make important design changes safely and effectively.

Progress in High-Dimensional Percolation and Random Graphs

Records the world of the Little Magazine: A world where famous authors are first found as unknowns. This title includes entries, which give details of the editors involved, publication date and other information, including lists of libraries where each can be found.

Advances in Robotics, Mechatronics and Circuits

Major Companies of Scandinavia 1987-88

Learn Docker in a Month of Lunches

"Spring Integration in Action" is a hands-on guide to Spring-based messaging and integration. Readers explore real-world enterprise integration scenarios using JMS, Web Services, file systems, and e-mail.

Elements of Chemical Reaction Engineering

This is a completely new and revised edition of the General Aviation Handbook, long overdue since it has been over 10 years since the last edition was published. This edition is fully revised and updated and contains 10 years worth of updated material, including the addition of a number of manufacturers and aircraft which were omitted from earlier editions for various reasons. Aircraft new to this edition include the so-called "heavy microlights", which are now an important part of the worldwide light aircraft scene. About 90 percent of the photos are new, and larger page size provides greater space for large data tables and photos. Previous editions have been strong sellers; this is the main reference book on this important sector of the aviation world, and this new edition will be welcomed by both aviation

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enthusiasts and those involved in the aviation industry.

ICT Practitioner Skills and Training

Recoge: 1. The automotive industry in Europe - 2. ICT skills and training in production and their relevance for qualifications - 3. ICT skills and training in vehicle repair and sales and their relevance for the qualification - 4. Profiles and training fields for ICT practitioners in the automotive industry - 5. General guidelines for curricula development - 6. Summary and conclusions.

Combustion

Special Features: · Introduction to MapReduce· Examples illustrating ideas in practice· Hadoop's Streaming API· Other related tools, like Pig and Hive About The Book: Hadoop in Action introduces the subject and teaches you how to write programs in the MapReduce style. It starts with a few easy examples and then moves quickly to show Hadoop use in more complex data analysis tasks. Included are best practices and design patterns of MapReduce programming.This book requires basic Java skills. Knowing basic statistical concepts can help with the more advanced examples.

British Poetry Magazines, 1914-2000

The book presents in a clear and concise manner the fundamentals of chemical reaction engineering. The structure of the book allows the student to solve reaction engineering problems through reasoning rather than through memorization and recall of numerous equations, restrictions, and conditions under which each equation applies. The fourth edition contains more industrial chemistry with real reactors and real engineering and extends the wide range of applications to which chemical reaction engineering principles can be applied (i.e., cobra bites, medications, ecological engineering)

Electrical Installations in Dairy Sheds

Summary Go from zero to production readiness with Docker in 22 bite-sized lessons! Learn Docker in a Month of Lunches is an accessible task-focused guide to Docker on Linux, Windows, or Mac systems. In it, you'll learn practical Docker skills to help you tackle the challenges of modern IT, from cloud migration and microservices to handling legacy systems. There's no excessive theory or niche-use cases—just a quick-and-easy guide to the essentials of Docker you'll use every day. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology The idea behind Docker

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is simple: package applications in lightweight virtual containers that can be easily installed. The results of this simple idea are huge! Docker makes it possible to manage applications without creating custom infrastructures. Free, open source, and battle-tested, Docker has quickly become must-know technology for developers and administrators. About the book Learn Docker in a Month of Lunches introduces Docker concepts through a series of brief hands-on lessons. Following a learning path perfected by author Elton Stoneman, you'll run containers by chapter 2 and package applications by chapter 3. Each lesson teaches a practical skill you can practice on Windows, macOS, and Linux systems. By the end of the month you'll know how to containerize and run any kind of application with Docker.

What's inside

- Package applications to run in containers
- Put containers into production
- Build optimized Docker images
- Run containerized apps at scale

About the reader

- For IT professionals. No previous Docker experience required.

About the author

Elton Stoneman is a consultant, a former architect at Docker, a Microsoft MVP, and a Pluralsight author.

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Electron Paramagnetic Resonance

Skoda Fabia Petrol and Diesel Owners Workshop Manual

This book provides a rigorous treatment of the coupling of chemical reactions and fluid flow. Combustion-specific topics of chemistry and fluid mechanics are considered and tools described for the simulation of combustion processes. This

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edition is completely restructured. Mathematical Formulae and derivations as well as the space-consuming reaction mechanisms have been replaced from the text to appendix. A new chapter discusses the impact of combustion processes on the atmosphere, the chapter on auto-ignition is extended to combustion in Otto- and Diesel-engines, and the chapters on heterogeneous combustion and on soot formation are heavily revised.

Fortune

The General Aviation Handbook

Site Selection

TetraMap

Five new plays. *Elegy* (by Jodi Gallagher): Two sisters, unlike, yet sharing a lust for life. When one dies, the other finds herself in a void that can only be created by the loss of a loved one. A tender but frank account of a family tragedy. *So Wet* (by

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Samantha Bews): Silv, a twenty-something, is a professional woman on the move and determined to make every post a winner -- and that's just her social life. A witty tale of longing, laced with a touch of the erotic. Like a Metaphor (by Gabrielle MacDonald): A language journey, in four and a half monologues, through a series of refractions, turning points and tiny visceral moments. A woman's sensual examination of bodily experiences. Baby X (by Campion Decent): Georgie and Evelyn are a lesbian couple in search of a sperm donor. A madcap comedy that takes a recipe for family life, throws it in a blender with a generous dollop of queer consciousness, and celebrates the result. Violet Inc. (by Pam Leversha): Violet Fahrenheit: brilliant, savage, inspiring -- her spirit radiates the lovers and acolytes who surround her. Thirty years later, they are still struggling to exorcise her legacy. A vibrant journey through social and personal change.

Graph Databases in Action

After his last book *Escapes*, Stefan Bogner returns to the Alps again with this illustrated book. This time not only did he photograph particular routes, but he looked for the ideal tour through the Alps: 3 countries, 14 passes - the perfect little escape for 4 days. Different from Bogner's photographs in *Escapes* or *Curves*, where Bogner just presents dreamlike empty streets, *Porsche Drive* focuses on the journey in Porsche models such as Porsche 906, Porsche 911, Porsche 918 and more. Stefan Bogner drives his own Porsche 911 1970 ST. Apart from Bogner's

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photographs, Porsche Drive offers information on each route and height profile. Thus you can follow Bogner's itinerary on a long weekend. Text in English and German.

Taming Text

"Even if you lab test each service in isolation, it's challenging, and potentially dangerous, to test a live microservices system that's changing and growing. Fortunately, you can use Mountebank to "imitate" the components of a distributed microservices application to give you a good approximation of the runtime conditions as you test individual services. "Testing microservices with Mountebank" introduces the powerful practice of service virtualization. In it, author Brandon Byars, Mountebank's creator, offers unique insights into microservices application design and state-of-the-art testing practices. You'll expand your understanding of microservices as you work with Mountebank's imposters, responses, behaviors, and programmability. By mastering the powerful testing techniques in this unique book, your microservices skills will deepen and your applications will improve."--Provided by publisher

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