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TRISTIN PONCE

Ethereum Smart Contract Development in Solidity IBM

Redbooks

Master business modeling and analysis techniques with Microsoft Excel 2013, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide shows you how to use the latest Excel tools to integrate data from multiple tables—and how to effectively build a relational data source inside an Excel workbook. Solve real business problems with Excel—and sharpen your edge Summarize data with PivotTables and Descriptive Statistics Explore new trends in predictive and prescriptive analytics Use Excel Trend Curves, multiple regression, and exponential smoothing Master advanced Excel functions such as OFFSET and INDIRECT Delve into key financial, statistical, and time functions Make your charts more effective with the Power View tool Tame complex optimization problems with Excel Solver Run Monte Carlo simulations on stock prices and bidding models Apply important modeling tools such as the Inquire add-in

Performance Exhaust Systems CarTech Inc

This text provides an introduction to the important physics underpinning current technologies, highlighting key concepts in areas that include linear and rotational motion, energy, work, power, heat, temperature, fluids, waves, and magnetism. This revision reflects the latest technology advances, from smart phones to the Internet of Things, and all kinds of sensors. The author also provides more modern worked examples with useful appendices and laboratories for hands-on practice. There are also

two brand new chapters covering sensors as well as electric fields and electromagnetic radiation as applied to current technologies.

The Tribology Handbook London : W. Clowes, International Fisheries Exhibition

This book presents the papers from the Internal Combustion Engines: Performance, fuel economy and emissions held in London, UK. This popular international conference from the Institution of Mechanical Engineers provides a forum for IC engine experts looking closely at developments for personal transport applications, though many of the drivers of change apply to light and heavy duty, on and off highway, transport and other sectors. These are exciting times to be working in the IC engine field. With the move towards downsizing, advances in FIE and alternative fuels, new engine architectures and the introduction of Euro 6 in 2014, there are plenty of challenges. The aim remains to reduce both CO2 emissions and the dependence on oil-derivate fossil fuels whilst meeting the future, more stringent constraints on gaseous and particulate material emissions as set by EU, North American and Japanese regulations. How will technology developments enhance performance and shape the next generation of designs? The book introduces compression and internal combustion engines' applications, followed by chapters on the challenges faced by alternative fuels and fuel delivery. The remaining chapters explore current improvements in combustion, pollution prevention strategies and data comparisons. presents the latest requirements and challenges for personal transport applications gives an insight into the technical advances and research going on in the IC Engines field provides the latest developments in compression and spark ignition engines for light and heavy-duty applications, automotive and other markets

Introduction to Political Psychology Routledge

Greg Banish takes his best-selling title, Engine Management: Advanced Tuning, one step further as he goes in-depth on the combustion basics of fuel injection as well as benefits and limitations of standalone. Learn useful formulas, VE equation and airflow estimation, and more. Also covered are setups and calibration, creating VE tables, creating timing maps, auxiliary output controls, start to finish calibration examples with screen shots to document the process. Useful appendixes include glossary and a special resources guide with standalone manufacturers and test equipment manufacturers

Diesel Engine Management Elsevier

A complete guide to operating a corporate treasury from a global perspective For CFOs and treasurers looking to re-align their treasuries with the growth of the global firm, bankers who seek to maximize the value they create for clients, treasury and finance firm employees, and even finance students, this book provides an easy-to-read approach to this exciting and increasingly complex world. It includes a toolkit that gives practitioners a reference point that they can adapt immediately for use in their firms, providing a low-cost, high-efficiency advisory solution they previously lacked. Offers a uniquely global perspective unlike most books on the subject, which tend to focus on the US market Incorporates a bottom-up, segmented approach that uses fundamental building blocks to form a comprehensive overview of corporate treasury Includes a toolkit that provides a ready foundation for learning based on checklists, templates, and scorecards that can be adapted and customized to the needs of an individual firm Written by an author with more than 13 years working in different aspects of corporate and institutional

banking, from capital markets to transaction services. Written by an author who has spent many years working, *The Handbook of Global Corporate Treasury* serves as a ready reference for anyone interested in the nuances and practicalities of the complex world of corporate treasury.

Internal Combustion Engines Routledge

To extract maximum performance, an engine needs an efficient, well-designed, and properly tuned exhaust system. In fact, the exhaust system's design, components, and materials have a large impact on the overall performance of the engine. Engine builders and car owners need to carefully consider the exhaust layout, select the parts, and fabricate the exhaust system that delivers the best performance for car and particular application. Master engine builder and award-winning writer Mike Mavrigian explains exhaust system principles, function, and components in clear and concise language. He then details how to design, fabricate, and fit exhaust systems to classic street cars as well as for special and racing applications. Air/exhaust-gas flow dynamics and exhaust system design are explained. Cam duration and overlap are also analyzed to determine how an engine breathes in air/fuel, as the exhaust must efficiently manage this burned mixture. Pipe bending is a science as well as art and you're shown how to effectively crush and mandrel bend exhaust pipe to fit your header/manifold and chassis combination. Header tube diameter and length is taken into account, as well as the most efficient catalytic converters and resonators for achieving your performance goals. In addition, Mavrigian covers the special exhaust system requirements for supercharged and turbocharged systems. When building a high-performance engine, you need a high-performance exhaust system that's tuned and fitted to that engine so you can realize maximum performance. This comprehensive book is your guide to achieving ultimate exhaust system performance. It shows you how to fabricate a system for custom applications and to fit the correct prefabricated system to your car. No other book on the market is solely dedicated to fabricating and fitting an exhaust system in high-performance applications.

Women, Monstrosity and Horror Film Psychology Press

With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the

most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications. Perform network reconnaissance to determine what's available to attackers. Execute penetration tests using automated exploit tools such as Metasploit. Use cracking tools to see if passwords meet complexity requirements. Test wireless capabilities by injecting frames and cracking passwords. Assess web application vulnerabilities with automated or proxy-based tools. Create advanced attack techniques by extending Kali tools or developing your own. Use Kali Linux to generate reports once testing is complete.

Handbook of Easy Languages in Europe Springer

These original contributions provide a current sampling of AI approaches to problems of biological significance; they are the first to treat the computational needs of the biology community hand-in-hand with appropriate advances in artificial intelligence. The enormous amount of data generated by the Human Genome Project and other large-scale biological research has created a rich and challenging domain for research in artificial intelligence. These original contributions provide a current sampling of AI approaches to problems of biological significance; they are the first to treat the computational needs of the biology community hand-in-hand with appropriate advances in artificial intelligence. Focusing on novel technologies and approaches, rather than on proven applications, they cover genetic sequence analysis, protein structure representation and prediction, automated data analysis aids, and simulation of biological systems. A brief introductory primer on molecular biology and AI gives computer scientists sufficient background to understand much of the biology discussed in the book. Lawrence Hunter is Director of the Machine Learning Project at the National Library of Medicine, National Institutes of Health.

Fundamentals of Petroleum Refining CarTech Inc

The general consensus is that BlockChain is the next disruptive technology, and Ethereum is the flagship product of BlockChain 2.0. However, coding and implementing business logic in a decentralized and transparent environment is fundamentally different from traditional programming and is emerging as a major challenge for developers. This book introduces readers to the Solidity language from scratch, together with case studies and examples. It also covers advanced topics and explains the working mechanism of smart contracts in depth. Further, it includes relevant examples that shed new light on the forefront of Solidity programming. In short, it equips readers with essential practical skills, allowing them to quickly catch up and start using Solidity programming. To gain the most from the book, readers should have already learned at least one object-oriented programming language.

Microsoft Excel 2013 Data Analysis and Business Modeling CRC Press

"An Introduction to Programming Languages and Operating Systems for Novice Coders" An ideal addition to your personal e-library. With the aid of this indispensable reference book, you may quickly gain a grasp of Python, Java, JavaScript, C, C++, CSS, Data Science, HTML, LINUX and PHP. It can be challenging to understand the programming language's distinctive advantages and charms. Many programmers who are familiar with a variety of languages frequently approach them from a constrained perspective rather than enjoying their full expressivity. Some programmers incorrectly use Programmatic features, which can later result in serious issues. The programmatic method of writing programs—the ideal approach to use programming languages—is explained in this book. This book is for all programmers, whether you are a novice or an experienced pro. Its numerous examples and well paced discussions will be especially beneficial for beginners. Those who are already familiar with programming will probably gain more from this book, of course. I want you to be prepared to use programming to make a big difference. "C, C++, Java, Python, PHP, JavaScript and Linux For Beginners" is a comprehensive guide to programming languages and operating systems for those who are new to the world of coding. This easy-to-follow book is designed to help readers learn the basics of programming and Linux operating system, and to gain confidence in their coding abilities. With clear and concise explanations,

readers will be introduced to the fundamental concepts of programming languages such as C, C++, Java, Python, PHP, and JavaScript, as well as the basics of the Linux operating system. The book offers step-by-step guidance on how to write and execute code, along with practical exercises that help reinforce learning. Whether you are a student or a professional, "C, C++, Java, Python, PHP, JavaScript and Linux For Beginners" provides a solid foundation in programming and operating systems. By the end of this book, readers will have a solid understanding of the core concepts of programming and Linux, and will be equipped with the knowledge and skills to continue learning and exploring the exciting world of coding.

C, C++, Java, Python, PHP, JavaScript and Linux For Beginners No Starch Press

Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-10, is a complete revision of ASCE Standard 7-05. ASCE 7-10 offers a complete update and reorganization of the wind load provisions, expanding them from one chapter into six to make them more understandable and easier to follow. ASCE 7-10 provides new ultimate event wind maps with corresponding reductions in load factors, so that the loads are not affected. It updates the seismic loads of ASCE 7-05, offering new risk-targeted seismic maps. The snow load, live load, and atmospheric icing provisions of ASCE 7-05 are all updated as well. ASCE Standard 7-10 provides requirements for general structural design and includes means for determining dead, live, soil, flood, wind, snow, rain, atmospheric ice, and earthquake loads, and their combinations that are suitable for inclusion in building codes and other documents. A detailed commentary containing explanatory and supplementary information to assist users of ASCE 7-10 is included with each chapter: ASCE 7-10 is an integral part of the building codes of the United States. Structural engineers, architects, and those engaged in preparing and administering local building codes will find the structural load requirements essential to their practice.

Operation and Maintenance Manual for Electrostatic Precipitators CarTech Inc

This series concentrates on women and the soldiers in the ranks whose lives they shared, assembling a wide body of evidence of their romantic entanglements and domestic concerns. The new military history of recent decades has demanded a broadening of

the source base beyond elite accounts or those that concentrate solely on battlefield experiences. Armies did not operate in isolation, and men's family ties influenced the course of events in a variety of ways. Campfollowing women and children occupied a liminal space in campaign life. Those who travelled "on the strength" of the army received rations in return for providing services such as laundry and nursing, but they could also be grouped with prostitutes and condemned as a 'burden' by officers. Parents, wives, and offspring left behind at home remained in soldiers' thoughts, despite an army culture aimed at replacing kin with regimental ties. Soldiers' families' suffering, both on the march and back in Britain, attracted public attention at key points in this period as well. This series provides, for the first time in one place, a wide body of texts relating to common soldiers' personal lives: the women with whom they became involved, their children, and the families who cared for them. It brings hitherto unpublished material into print for the first time, and resurrects accounts that have not been in wide circulation since the nineteenth century. The collection combines the observations of officers, government officials and others with memoirs and letters from men in the ranks, and from the women themselves. It draws extensively on press accounts, especially in the nineteenth century. It also demonstrates the value of using literary depictions alongside the letters, diaries, memoirs and war office papers that form the traditional source base of military historians. This sixth volume covers the period 1856-1880.

Artificial Intelligence and Molecular Biology Manjunath.R

In Vancouver in 2036, people are tired of the rain. They're willing to give up a lot for guaranteed sunshine, a life with no wasted hours. A life free of crime and disease. A life that ends when you want it to, not when some faceless entity decides it's your time. Those who don't buy in - the poor, the old, the paranoid - have to watch as their loved ones, their friends, and their jobs leave the city. They have to watch as the latest prestige technology, Self, changes everything - not just the world but humanity itself. On the bright side, the rents have dropped. And in several unexpected ways, resistance is growing. This fascinating work of fiction tells what can happen when the cyberworld becomes more important than the real world. Munroe is a Canadian science fiction author, who publishes his works independently under the imprint No Media Kings. He was managing editor at the magazine

Adbusters in the 1990s, before publishing his debut novel Flyboy Action Figure Comes With Gasmask in 1999. The following he release Angry Young Spaceman through his No Media Kings imprint and, in the U.S., Four Walls Eight Windows. A couple of years later he published Everyone in Silico, which was promoted partly by Munroe's attempt to invoice corporations mentioned in the novel for product placement. Munroe's most recent books are graphic novels set in post-Rapture Chicago and Detroit. Munroe was the founder of Perpetual Motion Roadshow, a North American indie touring circuit that sent 100 writers, performers and musicians on the road between 2003-2007. A former video games columnist for Eye Weekly, he is a founding board member of the Hand Eye Society and has produced projects such as the Torontron.

Landing Page Optimization Oxford University Press, USA

Fundamentals of Petroleum Refining presents the fundamentals of thermodynamics and kinetics, and it explains the scientific background essential for understanding refinery operations. The text also provides a detailed introduction to refinery engineering topics, ranging from the basic principles and unit operations to overall refinery economics. The book covers important topics, such as clean fuels, gasification, biofuels, and environmental impact of refining, which are not commonly discussed in most refinery textbooks. Throughout the source, problem sets and examples are given to help the reader practice and apply the fundamental principles of refining. Chapters 1-10 can be used as core materials for teaching undergraduate courses. The first two chapters present an introduction to the petroleum refining industry and then focus on feedstocks and products.

Thermophysical properties of crude oils and petroleum fractions, including processes of atmospheric and vacuum distillations, are discussed in Chapters 3 and 4. Conversion processes, product blending, and alkylation are covered in chapters 5-10. The remaining chapters discuss hydrogen production, clean fuel production, refining economics and safety, acid gas treatment and removal, and methods for environmental and effluent treatments. This source can serve both professionals and students (on undergraduate and graduate levels) of Chemical and Petroleum Engineering, Chemistry, and Chemical Technology. Beginners in the engineering field, specifically in the oil and gas industry, may also find this book invaluable. Provides balanced

coverage of fundamental and operational topics Includes spreadsheets and process simulators for showing trends and simulation case studies Relates processing to planning and management to give an integrated picture of refining *Minimum Design Loads for Buildings and Other Structures* "O'Reilly Media, Inc."

A detailed introduction to the C programming language for experienced programmers. The world runs on code written in the C programming language, yet most schools begin the curriculum with Python or Java. *Effective C* bridges this gap and brings C into the modern era--covering the modern C17 Standard as well as potential C2x features. With the aid of this instant classic, you'll soon be writing professional, portable, and secure C programs to power robust systems and solve real-world problems. Robert C. Seacord introduces C and the C Standard Library while addressing best practices, common errors, and open debates in the C community. Developed together with other C Standards committee experts, *Effective C* will teach you how to debug, test, and analyze C programs. You'll benefit from Seacord's concise explanations of C language constructs and behaviors, and from his 40 years of coding experience. You'll learn: How to identify and handle undefined behavior in a C program The range and representations of integers and floating-point values How dynamic memory allocation works and how to use nonstandard functions How to use character encodings and types How to perform I/O with terminals and filesystems using C Standard streams and POSIX file descriptors How to understand the C compiler's translation phases and the role of the preprocessor How to test, debug, and analyze C programs *Effective C* will teach you how to write professional, secure, and portable C code that will stand the test of time and help strengthen the foundation of the computing world.

Designing and Tuning High-Performance Fuel Injection Systems CarTech Inc
Analog Circuit Design
Statistics and Probability for Engineering Applications Elsevier

The first comprehensive textbook on political psychology, this user-friendly volume explores the psychological origins of political behavior. Using psychological concepts to explain types of political behavior, the authors introduce a broad range of theories and cases of political activity to illustrate the behavior. The book examines many patterns of political behaviors including leadership, group behavior, voting, race, ethnicity, nationalism, political extremism, terrorism, war, and genocide. Text boxes highlight current and historical events to help students see the connection between the world around them and the concepts they are learning. Examples highlight a variety of research methodologies used in the discipline such as experimentation and content analysis. The "Political Being" is used throughout to remind the reader of the psychological theories and concepts to be explored in each chapter. *Introduction to Political Psychology* explores some of the most horrific things people do to one another for political purposes, as well as how to prevent and resolve conflict, and how to recover from it. The goal is to help the reader understand the enormous complexity of human behavior and the significant role political psychology can play in improving the human condition. Designed for upper division courses on political psychology or political behavior, this volume also contains material of interest to those in the policymaking community.

Learning Kali Linux John Wiley & Sons

About the Book: This book has therefore subdivided the realm of medical instruments into the same sections like a text on physiology and introduces the basic early day methods well, before dealing with the details of present day instruments currently in

Helicopter Maintenance New Age International

Statistics and Probability for Engineering Applications provides a complete discussion of all the major topics typically covered in a college engineering statistics course. This textbook minimizes the derivations and mathematical theory, focusing instead on the

information and techniques most needed and used in engineering applications. It is filled with practical techniques directly applicable on the job. Written by an experienced industry engineer and statistics professor, this book makes learning statistical methods easier for today's student. This book can be read sequentially like a normal textbook, but it is designed to be used as a handbook, pointing the reader to the topics and sections pertinent to a particular type of statistical problem. Each new concept is clearly and briefly described, whenever possible by relating it to previous topics. Then the student is given carefully chosen examples to deepen understanding of the basic ideas and how they are applied in engineering. The examples and case studies are taken from real-world engineering problems and use real data. A number of practice problems are provided for each section, with answers in the back for selected problems. This book will appeal to engineers in the entire engineering spectrum (electronics/electrical, mechanical, chemical, and civil engineering); engineering students and students taking computer science/computer engineering graduate courses; scientists needing to use applied statistical methods; and engineering technicians and technologists. * Filled with practical techniques directly applicable on the job * Contains hundreds of solved problems and case studies, using real data sets * Avoids unnecessary theory

The Handbook of Global Corporate Treasury John Wiley & Sons

Construction Project Management deals with different facets of construction management emphasizing the basic concepts that any engineering student is supposed to know. The major principles of project management have been derived through real life case studies from the field. Simplified examples have been used to facilitate better understanding of the concepts before going into the large and complex problems. The book features computer applications (Primavera and MS Project) used to explain planning, scheduling, resource leveling, monitoring and reporting; it is highly illustrated with line dia.