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Popular Electronics

Explosives and Blasting Procedures Manual

High-performance tweaks for the most popular cars and motorcycles. Tips and techniques from the experts will help you maximize the horsepower, handling, and appearance of your car.

Computers Helping People with Special Needs

Growing up near the Sabine, journalist Wes Ferguson, like most East Texans, steered clear of its murky, debris-filled waters, where alligators lived in the backwater sloughs and an occasional body was pulled from some out-of-the-way crossing. The Sabine held a reputation as a haunt for a handful of hunters and loggers, more than a few water moccasins, swarms of mosquitoes, and the occasional black bear lumbering through swamp oak and cypress knees. But when Ferguson set out to do a series of newspaper stories on the upper portion of the river, he and photographer Jacob Croft Botter were entranced by the river's subtle beauty and the solitude they found there. They came to admire the self-described "river rats" who hunted, fished, and swapped stories along the muddy water—plain folk who love the Sabine as

much as Hill Country vacationers love the clear waters of the Guadalupe. Determined to travel the rest of the river, Ferguson and Botter loaded their gear and launched into the stretch of river that charts the line between the states and ends at the Gulf of Mexico.

Manual on the Aeronautical Mobile Satellite (Route) Service

Popular Periodical Index

Software-Defined Radio for Engineers

Since the total-idiot out there now driving refuse to self-improve, we, the smarter, must take things into our own hands and learn how to avoid THEM. The strategy you will receive here is how to optimally avoid the worst dysfunctional drivers on the road crashing into YOU. And, it's super simple to pull-off if anybody just takes a second to think about it. People die, or are injured, in automobile accidents all across America daily, like a busy factory turning out widgets. Why? When some drivers NEVER get into vehicular accidents. Is it time that somebody who knows, explained the secrets and strategies for how not to become a statistic? It's not just from random dumb luck that many drivers avoid ALL accidents. If you check most sources of information on better driving, you will find a basic DISCONNECT to what's actually happening on the road. Let's get real. "To drive" is to

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enter a free-for-all that's as dangerous as anything we encounter, especially due to disparities in abilities of all the many drivers out there at any given time. "Not speeding" is generally accepted as sound advice, but is it really? Can accelerating above posted speed limits sometimes put your vehicle better out of harm's way? The author boasts a fairly impeccable 40+ year record of "one fender bender" at age 16 and one speeding ticket. After being required to take a mandated court-ordered driving tutorial, discovering first-hand how pathetically we are educated to drive, the author decided to tell it like it is, how to drive for better, not for worse. With dozens of diagrams, the entire book is HAND-DRAWN for ease of understanding. Includes safety tips for self-defense when OUT of the vehicle too, such as how to avoid or respond to robbery. The author has been robbed; his son was robbed, and his daughter, robbed. All at gunpoint three different times. All walked away unhurt. There is an entire chapter for how to avoid being pulled over by the police because that's not often a positive experience, either. Yes, society requires the enforcement of law and order, but that alone doesn't guarantee safety on the road, and we need to know what DOES improve our safety on the road. The greatest leverage for improvement is always in how we think about things and that's exactly where this material strikes. This book shifts one's perspective, such that, the old way of one's sitting behind the wheel will almost be laughable. So that's guaranteed: a few good laughs. And includes many life-saving insights anybody can share with their closest relations because the world is stupid enough without having some idiot crashing into you

or those you love. You will see right away that the author isn't interested in academic discussion regarding how to drive better by following the normal imperatives. If everybody else followed the laws, that's one thing, but if they ain't, then that's a whole different animal, and THAT'S the one our young 'uns are gonna have-to learn to ride because they're killed and injured the most. Why? Because that's what society has evolved into, because driving on our roads today is the ultimate expression of our worst combined dysfunctions. So let's not be that, if we ourselves can help it, and that's what you're going to be inspired to do right now.

Genetic Algorithms in Search, Optimization, and Machine Learning

This book addresses the use, operation and maintenance of new renewable energy systems, taking into account their integration in the current electrical markets and in the new emergent uses of energy. The book is based on practical experiences which present different perspectives about what occurs once an energy production plant based on sources of renewable energy is in production. Questions to be addressed include: how the energy produced is integrated into the current system of energy production, what is its consideration in the electrical market, what the impact is on society, how differential the strategies of operation and maintenance are with respect to conventional systems of energy production, etc.

Gramophone, Film, Typewriter

This book is the first to present a rich selection of over 30 real-world cases of how leading organizations conduct Business Process Management (BPM). The cases stem from a diverse set of industry sectors and countries on different continents, reporting on best practices and lessons learned. The book showcases how BPM can contribute to both exploitation and exploration in a digital world. All cases are presented using a uniform structure in order to provide valuable insights and essential guidance for students and practitioners.

Use, Operation and Maintenance of Renewable Energy Systems

On history of communication

Mazda RX-7 Performance Handbook

Running the River

The Cumulative Book Index

A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning.

Applications of genetics-based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

Rock Art in West Papua

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.

Michigan Living

Gramophone

Disaster Preparedness

Popular Science gives our readers the information and

tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Catalog of Sears, Roebuck and Company

Technical Book Review

This Bureau of Mines report covers the latest technology in explosives and blasting procedures. It includes information and procedures developed by Bureau research, explosives manufacturers, and the mining industry. It is intended for use as a guide in developing training programs and also to provide experienced blasters an update on the latest state of technology in the broad field of explosives and blasting. Types of explosives and blasting agents and their key explosive and physical properties are discussed. Explosives selection criteria are described. The features of the traditional initiation systems - electrical, detonating cord, and cap and fuse - are pointed out, and the newer nonelectric initiation systems are discussed. Various blasthole priming techniques are described. Blasthole loading of various explosive types is covered. Blast design, including geologic considerations, for both surface and underground blasting is detailed. Environmental effects of blasting such as flyrock and air and ground vibrations are discussed along with techniques of measuring and alleviating these undesirable side

effects. Blasting safety procedures are detailed in the chronological order of the blasting process. The various Federal blasting regulations are enumerated along with their Code of Federal Regulations citations. An extensive glossary of blasting related terms is included along with references to articles providing more detailed information on the aforementioned items. Emphasis in the report has been placed on practical considerations.

Publishers Weekly

The Publishers Weekly

Mine Power Systems

Convex optimization problems arise frequently in many different fields. This book provides a comprehensive introduction to the subject, and shows in detail how such problems can be solved numerically with great efficiency. The book begins with the basic elements of convex sets and functions, and then describes various classes of convex optimization problems. Duality and approximation techniques are then covered, as are statistical estimation techniques. Various geometrical problems are then presented, and there is detailed discussion of unconstrained and constrained minimization problems, and interior-point methods. The focus of the book is on recognizing convex optimization problems and then finding the most appropriate

technique for solving them. It contains many worked examples and homework exercises and will appeal to students, researchers and practitioners in fields such as engineering, computer science, mathematics, statistics, finance and economics.

The World of CB Radio

This edition of the Manual of Neonatal Care has been completely updated and extensively revised to reflect the changes in fetal, perinatal, and neonatal care that have occurred since the sixth edition. This portable text covers current and practical approaches to evaluation and management of conditions encountered in the fetus and the newborn, as practiced in high volume clinical services that include contemporary prenatal and postnatal care of infants with routine, as well as complex medical and surgical problems. Written by expert authors from the Harvard Program in Neonatology and other major neonatology programs across the United States, the manual's outline format gives readers rapid access to large amounts of valuable information quickly. The Children's Hospital Boston Neonatology Program at Harvard has grown to include 57 attending neonatologists and 18 fellows who care for more than 28,000 newborns delivered annually. The book also includes the popular appendices on topics such as common NICU medication guidelines, the effects of maternal drugs on the fetus, and the use of maternal medications during lactation. Plus, there are intubation/sedation guidelines and a guide to neonatal resuscitation on the inside covers that

provide crucial information in a quick and easy format.

Manual of Neonatal Care

Soaring

This book addresses for the first time four major rock art areas of West Papua: the Berau Gulf, Bitsyari Bay, Triton Bay and the Baliem Valley. Together, they form one of the richest regions of rock art and include many newly discovered sites. These sites, located along the South Coast and in the Baliem Highlands, contain thousands of paintings. This book presents, for the first time, hundreds of original photographs including hand stencils, matutuo, faces, and abstract motifs found in West Papua. It also compiles existing hypotheses on the antiquity and origins of rock art in the region and tries to offer a stimulus for further research

Business Process Management Cases

Train your mind to achieve new levels of success! Professionals and entrepreneurs do a great job of keeping up appearances. But if they're honest with themselves, they're short on living the life they really want. Train Your Brain For Success provides the perspective to analyze how you got where you are and, more importantly, learn the skills to get where you truly desire to be. Train Your Brain For Success explains specific ways of thinking and acting that will

get anyone where they want to go, fast. Learn to condition your mind to move towards success automatically, by discovering greater memory power and fundamental techniques for boosting reading speed and comprehension. Get a proven strategy for succeeding and becoming a record-breaking performer. Learn to live in the moment Become brilliant with the basics Aggressively take care of your mind Train your mind for new levels of success by boosting memory power, reading speed and comprehension.

Library Journal

Paperbound Books in Print

The two-volume set LNCS 8547 and 8548 constitutes the refereed proceedings of the 14th International Conference on Computers Helping People with Special Needs, ICCHP 2014, held in Paris, France, in July 2014. The 132 revised full papers and 55 short papers presented were carefully reviewed and selected from 362 submissions. The papers included in the first volume are organized in the following topical sections: accessible media; digital content and media accessibility; 25 years of the Web: weaving accessibility; towards e-inclusion for people with intellectual disabilities; the impact of PDF/UA on accessible PDF; accessibility of non-verbal communication; emotions for accessibility (E4A), games and entertainment software; accessibility and therapy; implementation and take-up of e-

accessibility; accessibility and usability of mobile platforms for people with disabilities and elderly persons; portable and mobile platforms for people with disabilities and elderly persons; people with cognitive disabilities: AT, ICT and AAC; autism: ICT and AT; access to mathematics, science and music and blind and visually impaired people: AT, HCI and accessibility.

The Gramophone

Responding to recent developments and a growing VLSI circuit manufacturing market, Technology Computer Aided Design: Simulation for VLSI MOSFET examines advanced MOSFET processes and devices through TCAD numerical simulations. The book provides a balanced summary of TCAD and MOSFET basic concepts, equations, physics, and new technologies related to TCAD and MOSFET. A firm grasp of these concepts allows for the design of better models, thus streamlining the design process, saving time and money. This book places emphasis on the importance of modeling and simulations of VLSI MOS transistors and TCAD software. Providing background concepts involved in the TCAD simulation of MOSFET devices, it presents concepts in a simplified manner, frequently using comparisons to everyday-life experiences. The book then explains concepts in depth, with required mathematics and program code. This book also details the classical semiconductor physics for understanding the principle of operations for VLSI MOS transistors, illustrates recent developments in the area of MOSFET and other

electronic devices, and analyzes the evolution of the role of modeling and simulation of MOSFET. It also provides exposure to the two most commercially popular TCAD simulation tools Silvaco and Sentaurus.

- Emphasizes the need for TCAD simulation to be included within VLSI design flow for nano-scale integrated circuits
- Introduces the advantages of TCAD simulations for device and process technology characterization
- Presents the fundamental physics and mathematics incorporated in the TCAD tools
- Includes popular commercial TCAD simulation tools (Silvaco and Sentaurus)
- Provides characterization of performances of VLSI MOSFETs through TCAD tools
- Offers familiarization to compact modeling for VLSI circuit simulation

R&D cost and time for electronic product development is drastically reduced by taking advantage of TCAD tools, making it indispensable for modern VLSI device technologies. They provide a means to characterize the MOS transistors and improve the VLSI circuit simulation procedure. The comprehensive information and systematic approach to design, characterization, fabrication, and computation of VLSI MOS transistor through TCAD tools presented in this book provides a thorough foundation for the development of models that simplify the design verification process and make it cost effective.

Popular Mechanics

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior

libraries, 1954-May 1961). Also issued separately.

The Architects' Handbook

Includes sections on: CB slang and how to talk on the air
Buying and installing radios and antennas
Troubleshooting your rig
Do-it-yourself antennas
American and British CB rules and regulations
Emergency procedures, and more

Train Your Brain For Success

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Convex Optimization

The Scientist and Engineer's Guide to Digital Signal Processing

Audio

The Architects' Handbook provides a comprehensive range of visual and technical information covering the great majority of building types likely to be encountered by architects, designers, building surveyors and others involved in the construction

industry. It is organised by building type and concentrates very much on practical examples. Including over 300 case studies, the Handbook is organised by building type and concentrates very much on practical examples. It includes: · a brief introduction to the key design considerations for each building type · numerous plans, sections and elevations for the building examples · references to key technical standards and design guidance · a comprehensive bibliography for most building types The book also includes sections on designing for accessibility, drawing practice, and metric and imperial conversion tables. To browse sample pages please see <http://www.blackwellpublishing.com/architectsdata>

Driving for Better

Flying Magazine

Most librarians know the importance of disaster preparedness. Many disasters could have been prevented altogether or have had reduced impact if institutions had been better prepared. This resource guide suggests how disaster preparedness can be achieved at cultural institutions. Twenty-three basic resource articles are presented to introduce disaster preparedness. They deal with the safety of collections rather than the safety of staff, and related issues such as security and environmental control are not addressed. Of the materials that cover what to do once a disaster has occurred, most emphasize water

damage because so many causes of disaster result in water damage. The resource guide is supplemented by a list of 23 selected readings. When a choice had to be made between a readily available source and one that was difficult to obtain, the hard-to-obtain one was included in the resource guide, and a reference to the other was provided in the bibliography. The basic processes for disaster preparedness include: (1) brainstorming potential disasters; (2) investigating responses to past disasters; (3) outlining a disaster plan; (4) determining remaining needs; and (5) developing recommendations. (SLD)

Dictionary of Acronyms and Technical Abbreviations

Popular Science

Based on the popular Artech House classic, *Digital Communication Systems Engineering with Software-Defined Radio*, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing

technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

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