Battery Reference Book

Crompton's Battery Reference Book has become the standard reference source for a wide range of professionals and students involved in designing, manufacturing, and specifying products and systems that use batteries. This book is unique in providing extensive data on specific battery types, manufacturers and suppliers, as well as covering the theory - an aspect of the book which makes an updated edition important for every professional's library. The coverage of different types of battery is fully comprehensive, ranging from minute button cells to large installations weighing several hundred tonnes. Must-have information and data on all classes of battery in an accessible form Essential reference for design engineers in automotive and aerospace applications, telecommunications equipment, household appliances, etc. Informs you of developments over the past five years

E-learning Tools and Technologies

Microwave Measurements, 3rd Edition

The IET has organised training courses on microwave measurements since 1983, at which experts have lectured on modern developments. Their lecture notes were first published in book form in 1985 and then again in 1989, and they have proved popular for many years with a readership beyond those who attended the courses. The purpose of this third edition of the lecture notes is to bring the latest techniques in microwave measurements to this wider audience. The book begins with a survey of the theory of current microwave circuits and continues with a description of the techniques for the measurement of power, spectrum, attenuation, circuit parameters, and noise. Various other areas like measurements of antenna characteristics, free fields, modulation and dielectric parameters are also included. The emphasis throughout is on good measurement practice. All the essential theory is given and a previous knowledge of the subject is not assumed.

Handbook of chlor-alkali technology
Like most technical disciplines, environmental science and engineering is becoming increasingly specialized. As industry professionals focus on specific environmental subjects they become less familiar with environmental problems and solutions outside their area of expertise. This situation is compounded by the fact that many environmental science related terms are confusing. Prefixes such as bio-, enviro-, hydra-, and hydro- are used so frequently that it is often hard to tell the words apart. The Environmental Engineering Dictionary and Directory gives you a complete list of brand terms, brand names, and trademarks - right at your fingertips.

Dictionary of computing

Iron Age

Annotation Foreword: It is surprising that we had to wait so long for a new book that gives a comprehensive treatment of chlor-alkali manufacturing technology. Technologists are largely still making do with the classical book edited by Sconce, but that is more than thirty years old. At the time of its publication, metal anodes were just beginning to appear, and ion-exchange membrane technology was confined to laboratories. The various encyclopedias of industrial technology have more up-to-date information, but they are necessarily limited in their scope. Schmittinger recently provided an excellent shorter treatment of the broad field of chlorine technology and applications. After discussing electrolysis and the principal types of cell, this, too, gives rather brief coverage to brine and product processing. It then follows on with descriptions of the major derivatives and direct uses of chlorine and a discussion of environmental issues. The last feature named above has relieved the authors of this work of the obligation to cover applications in any detail. Instead, they provide a concentrated treatment of all aspects of technology and handling directly related to the products of electrolysis. It covers the field from a history of the industry, through the fundamentals of thermodynamics and electrochemistry, to the treatment and disposal of the waste products of manufacture. Membrane cells are considered the state of the art, but the book does not ignore mercury and diap.

Rich's High-tech Business Guide to Silicon Valley and Northern California

NOAA

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Rich's Business Guide to Santa Clara County's Silicon Valley & Northern California

Working Minds

This book constitutes the refereed proceedings of the Second International Conference on Digital Transformation and Global Society, DTGS 2017, held in St. Petersburg, Russia, in June 2017. The 34 revised full papers and three revised short papers presented were carefully reviewed and selected from 134 submissions. The papers are organized in topical sections on eSociety: social media analysis; eSociety: ICTs in education and science; eSociety: legal, security and usability issues; ePolitics: electronic governance and electronic participation; ePolitics: politics of cyberspace; eCity: urban planning and smart cities; eHealth: ICTs in public health management; eEconomy and eFinance: finance and knowledge management.

NOAA

A comprehensive, hands-on review of the most up-to-date techniques in RF and microwave measurement, including practical advice on deployment challenges.

Computer Buyer's Guide and Handbook
Microwave and Wireless Measurement Techniques

Official Gazette of the United States Patent and Trademark Office

Environmental Engineering Dictionary and Directory

A unique combination of theoretical knowledge and practical analysis experience. Derived from Yoshihide Hase's Handbook of Power Systems Engineering, 2nd Edition, this book provides readers with everything they need to know about power system dynamics. Presented in three parts, it covers power system theories, computation theories, and how prevailing engineering platforms can be utilized for various engineering works. It features many illustrations based on ETAP to help explain the knowledge within as much as possible. Recompiling all the chapters from the previous book, Power System Dynamics with Computer Based Modeling and Analysis offers nineteen new and improved content with updated information and all new topics, including new chapters on circuit analysis which help engineers with non-electrical engineering backgrounds. Topics covered include: Essentials of Electromagnetism; Complex Number Notation (Symbolic Method) and Laplace-transform; Fault Analysis Based on Symmetrical Components; Synchronous Generators; Induction-motor; Transformer; Breaker; Arrester; Overhead-line; Power cable; Steady-State/Transient/Dynamic Stability; Control governor; AVR; Directional Distance Relay and R-X Diagram; Lightning and Switching Surge Phenomena; Insulation Coordination; Harmonics; Power Electronics Applications (Devices, PE-circuit and Control) and more. Combines computer modeling of power systems, including analysis techniques, from an engineering consultants perspective. Uses practical analytical software to help teach how to obtain the relevant data, formulate what-if cases, and convert data analysis into meaningful information. Includes mathematical details of power system analysis and power system dynamics. Power System Dynamics with Computer Based Modeling and Analysis will appeal to all power system engineers as well as engineering and electrical engineering students.

Agrindex

A comprehensive guide to help you cut through the hype in order to select the best E-Learning tools and vendors for your specific needs. With its ability to both reduce operating costs and train more people, E-Learning is an attractive option for companies that are trying to balance business and educational goals. But in order to implement an E-Learning program, you'll have to wade through hundreds of learning management systems, learning content management systems, authoring schools, and collaboration environments to determine what solution will work best for your situation. In this in-depth book, recognized E-Learning experts William and Katherine Horton survey the entire field of E-Learning tools for you. They provide you with a systematic way to identify, evaluate, and choose products and services based on different E-Learning scenarios. In this no-holds barred look at E-Learning tools, the authors: * Arm you with a complete list of questions to ask vendors before you commit to a product * Describe product limitations throughout each chapter and include special Rant sections that you must read * Present tips and tricks as well as common mistakes to avoid * List potential vendors and contact information by tool category. The companion Web site contains design forms, checklists of features to look for in the various tool categories, spreadsheets, and lists of specific tools and vendors.

Government Reports Announcements & Index

Modern RF and Microwave Measurement Techniques

A reluctant young hero must chase down an evil serpent king in "this satisfying middle-grade adventure . . . in colonial British West Africa" (Kirkus Reviews). Nate Fludd is back in the camel saddle in pursuit of a missing, deadly basilisk—the mythical King of Serpents. As if saving a Dhughani village from the beast isn't hard enough, Nate and Aunt Phil must begin to solve the mystery of his parents' disappearance and protect The Fludd Book of Beasts from a sinister man who always seems to be one step ahead of them. With more lively illustrations by Kelly Murphy, The Basilisk's Lair picks up immediately where the first book in the series, Flight of the Phoenix, left off. This historical fantasy chapter book series is perfect for intermediate readers.
Deploying IPv6 in Broadband Access Networks

PC Magazine

An essential reference for deploying IPv6 in broadband networks. With the exponential growth of the Internet and increasing number of end users, service providers are increasingly looking for ways to expand their networks to meet the scalability requirements of the growing number of Internet-ready appliances or "always-on" devices. This book bridges a gap in the literature by providing coverage of Internet Protocol Version 6 (IPv6), specifically in broadband access networks. The authors, who are Cisco Certified Internetworking Experts (CCIE), provide comprehensive and first-rate coverage of:

- IPv6 drivers in broadband networks
- IPv6 deployment in Cable, DSL, ETTH, and Wireless networks
- Configuring and troubleshooting IPv6 gateway routers and host
- Configuring and troubleshooting IPv6 edge routers
- Configuring and troubleshooting IPv6 provisioning servers

The authors also discuss challenges faced by service providers and how IPv6 addresses these issues. Additionally, the book is complemented with examples throughout to further facilitate readers' comprehension and a real large-scale IPv6 BB SP case study is presented. Deploying IPv6 in Broadband Access Networks is essential reading for network operators, network design engineers and consultants, network architects, and members of the networking community.

Focus

Sections 1-2. Keyword Index.—Section 3. Personal author index.—Section 4. Corporate author index.—Section 5. Contract/grant number index, NTIS order/report number index 1-E.—Section 6. NTIS order/report number index F-Z.

Educational Futures

How to collect data about cognitive processes and events, how to analyze CTA findings, and how to communicate them effectively: a handbook for managers, trainers, systems analysts, market researchers, health professionals, and others. Cognitive Task Analysis (CTA) helps researchers understand how cognitive skills and strategies make it possible for people to act effectively and get things done. CTA can yield information people need—employers faced with personnel issues, market researchers who want to understand the thought processes of consumers, trainers and others who design instructional systems, health care professionals who want to apply lessons learned from errors and accidents, systems analysts developing user specifications, and many other professionals. CTA can show what makes the workplace work—and what keeps it from working as well as it might. Working Minds is a true handbook, offering a set of tools for doing CTA: methods for collecting data about cognitive processes and events, analyzing them, and communicating them effectively. It covers both the "why" and the "how" of CTA methods, providing examples, guidance, and stories from the authors' own experiences as CTA practitioners. Because effective use of CTA depends on some conceptual grounding in cognitive theory and research—on knowing what a cognitive perspective can offer—the book also offers an overview of current research on cognition. The book provides detailed guidance for planning and carrying out CTA, with chapters on capturing knowledge and capturing the way people reason. It discusses studying cognition in real-world settings and the challenges of rapidly changing technology. And it describes key issues in applying CTA findings in a variety of fields. Working Minds makes the methodology of CTA accessible and the skills involved attainable.

Official Gazette of the United States Patent and Trademark Office

This book provides an overview and analysis of current tensions, debates and key issues within OECD nations, particularly Australia, the USA, Canada and the UK, with regard to where education is and should be going. Using a broad historical analysis, it investigates ideas and visions about the future that are increasingly evoked to support arguments about the imminent demise of the dominant modern educational model. Focusing neither on prediction nor prescription, this text suggests the goal is an analysis of the ways in which the notion of the future circulates in contemporary discourse. Five specific discourses are explored: globalisation; new information and communications technologies; feminist; indigenous; and spiritual. The book demonstrates the connections between particular approaches to time, visions of the future, and educational visions and
practices. The author asserts that every approach to educational change is inherently based on an underlying image of the future.

Discover the Academy

Poultry Digest


From typical metrology parameters for common wireless and microwave components to the implementation of measurement benches, this introduction to metrology contains all the key information on the subject. Using it, readers will be able to: • Interpret and measure most of the parameters described in a microwave component's datasheet • Understand the practical limitations and theoretical principles of instrument operation • Combine several instruments into measurement benches for measuring microwave and wireless quantities. Several practical examples are included, demonstrating how to measure intermodulation distortion, error vector magnitude, S-parameters and large signal waveforms. Each chapter then ends with a set of exercises, allowing readers to test their understanding of the material covered and making the book equally suited for course use and for self-study.

STAR

The Software Encyclopedia

Power System Dynamics with Computer-Based Modeling and Analysis

World Guide to Libraries

Modern Chlor-Alkali Technology

Government Reports Annual Index

Each new edition lists approximately 43,000 libraries in more than 200 countries with details of their current addresses and an inventory of their present holdings.

Lightweight Electric/Hybrid Vehicle Design

92000 Einträge (44000 deutsche und 48000 englische) aller Gebiete der Informatik, mit Hauptbegriffen der angrenzenden Fachgebiete sowie des allgemeinen technischen Sprachgebrauchs (insgesamt 94 Fachgebiete)

Resources in Education

Lightweight Electric/Hybrid Vehicle Design, covers the particular automotive design approach required for hybrid/electrical drive vehicles. There is currently huge investment world-wide in electric vehicle propulsion, driven by concern for pollution control and depleting oil resources. The radically different design demands of these new vehicles requires a completely new approach that is covered comprehensively in this book. The book explores the rather dramatic departures in structural configuration necessary for purpose-designed electric vehicle including weight removal in the mechanical systems. It also provides a comprehensive review of the design process in the electric hybrid drive and energy storage systems. Ideal for automotive engineering students and professionals Lightweight Electric/Hybrid Vehicle Design provides a complete introduction to this important new sector of the industry. Comprehensive coverage of all design aspects of electric/hybrid cars in a single volume packed with case studies and applications in-depth treatment written in a text book style (rather than a theoretical specialist text style)
Wastewater Technology Buyers' Guide

The papers in this book were submitted for the 1988 London International Chlorine Symposium. This was the fifth symposium organised by the Electro chemical Technology Group of the Society of Chemical Industry and proved as popular as ever, attracting a record number of 294 delegates from 31 countries. Twenty-seven papers were presented during the two and a half-day event covering the latest developments in chlor-alkali technology. The field of membranes and membrane cells was well represented by some 15 papers, reflecting the importance of membrane technology to the future of the industry. This is particularly relevant in view of increasing environmental pressures and rising costs. However, papers relating to the more traditional mercury and diaphragm cell technologies were also presented, together with a paper concerned with sodium chlorate manufacture. In addition, there were presentations covering the commercial and safety aspects of the chlor-alkali industry. The Electrochemical Technology Group of the Society of Chemical Industry offer thanks to the many people and organisations whose help ensured the success of this symposium. In particular, we would like to thank: 1. The contributors of the papers. 2. The session chairmen: Dr R. G. Smerko (The Chlorine Institute Inc.); Mr B. Lott (The Associated Octel Company Limited); Mr T. F. O'Brien (United Engineers and Constructors); Dr B. S. Gilliatt (ICI Chemicals and Polymers Limited); Mr D. Bell (Hays Chemicals Limited). 3. The Chlorine Institute for assistance with printing costs and for active participation.

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