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Load Sharing Control Egg Grading Manual **Who Rules the Net?** *Electrical Engineering Manual* **Plant Stress Physiology, 2nd Edition** *Freedom of Speech* **SLAPPs Molecular Electro-Optics Constitutional Democracy in South Africa, 1994-2004** The War On Our Freedoms The Naked Corporation Contemporary Issues in Business Ethics Cyber Rights Ethics at Work **Cases in Communications Law Electronics Calculations Data Handbook Electromagnetic Analysis Using Transmission Line Variables** *Electromagnetic Transients in Power Cables* **Electromagnetic Field Theory Fundamentals Electronic Components and Technology Electronic Design Automation Electrolysis** Electrolytic In-Process Dressing (ELID) Technologies **Electronic Health Record Electromechanical Systems and Devices** Electron micrographs of clay minerals **Electronic Media Criticism** Electromechanical Devices & Components Illustrated Sourcebook **Electronic System-Level HW/SW Co-Design of Heterogeneous Multi-Processor Embedded Systems** Electronic Troubleshooting, Fourth Edition *Electronic Resource Management* **Electromagnetic Field Computation by Network Methods** *Electronic Iran Elephant Bucks* **Electromagnetic Nondestructive Evaluation (VI) Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering Electromagnetic Modeling by Finite Element Methods** *Electronic Value Exchange Electronic Hearth* **Electronic Tap-changer for Distribution Transformers**

Constitutional Democracy in South Africa, 1994-2004 Apr 18 2022
Electronic Resource Management May 27 2020 A significant shift is taking place in libraries, with the purchase of e-resources accounting for the bulk of materials spending. Electronic Resource Management makes the case that technical services workflows need to make a corresponding shift toward e-centric models and highlights the increasing variety of e-formats that are forcing new developments in the field. Six chapters cover key topics, including: technical services models, both past and emerging; staffing and workflow in electronic resource management; implementation and transformation of electronic resource management systems; the role of the electronic resource librarian in discovery systems, layers and tools; and academic library consortia and the evolving role of electronic resources and technology. The leading chapters include case studies from around the world, and a concluding chapter focuses on the disruptive nature of e-books and how broad adoption of this format is emerging as the tipping point towards holistic ‘resource management’, where separate technical services processes for print and electronic resources are finally merged. An emphasis on ‘access’ within the new technical services model Focuses on the unique attributes of electronic resource management that are distinct from traditional print serials workflows Covers consortia and how membership affects electronic resource management workflows, priorities, and technical processes
Elephant Bucks Feb 22 2020 This comprehensive guide is for those who want to launch a career as a television sitcom writer and features detailed inside information on how to write scripts that will get noticed.
Electrical Engineering Manual Sep 23 2022
Cases in Communications Law Oct 12 2021 Written as a companion to Zelezny's COMMUNICATIONS LAW, Sixth Edition, textbook, CASES IN COMMUNICATIONS LAW, Sixth Edition, presents cases that will familiarize communications students with authoritative judicial reasoning on key principles of communications law. Most of the cases are from the U.S. Supreme Court and stand as precedents that all other courts in the nation must follow. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Electromagnetic Field Theory Fundamentals Jun 08 2021 Guru and Hiziroglu have produced an accessible and user-friendly text on electromagnetics that will appeal to both students and professors teaching this course. This lively book includes many worked examples and problems in every chapter, as well as chapter summaries and background revision material where appropriate. The book introduces undergraduate students to the basic concepts of electrostatic and magnetostatic fields, before moving on to cover Maxwell's equations, propagation, transmission and radiation. Chapters on the Finite Element and Finite Difference method, and a detailed appendix on the Smith chart are additional enhancements. MathCad code for many examples in the book and a comprehensive solutions set are available at www.cambridge.org/9780521830164.
Egg Grading Manual Nov 25 2022
Ethics at Work Nov 13 2021 Suitable for students on business ethics, business and society, or applied ethics courses, this work brings together eleven essays by prominent authors. It features work in the field and addresses important and provocative issues. The essays represent diverse ethical and philosophical orientations and have been edited and abridged to make them more accessible to students.
Molecular Electro-Optics May 19 2022 The Advanced Study Institute on Molecular Electro-Optics was held on the campus of the Rensselaer Polytechnic Institute, Troy, New York, USA, from July 14 through July 24, 1980. This Advanced Study Institute was attended by sixteen invited lecturers and by forty-eight other participants. The present volume contains the texts of all of the invited lectures presented at the Institute. Although these lectures were supplemented by many animated discussions and by numerous short contributed papers, it was not possible to include these in the present volume. Molecular electro-optics is a difficult subject for research because it incorporates areas of theoretical physics such as elec tromagnetic theory and hydrodynamics of rotational diffusion, ex perimental physics such as lasers, optics, electric pulsers, and data collection via analog to digital converters and signal aver agers, and physical chemistry of macromolecules and colloids in solution (colloid science, biophysical chemistry, double layer polarization). This volume includes chapters on all of these subjects as well as introductions to magnets-optics and to elec trophoretic light scattering. The Advanced Study Institute was sponsored mainly by the North Atlantic Treaty Organization whose financial support made this meeting possible. Additional financial aid was supplied by the National Institutes of Health of the USA through their Fogarty International Center and the National Institute for Arthritis, Metabolism, and Digestive Diseases. Industrial contri buters consisted of the General Electric Company, Cober Electronics, and Malvern Scientific Corporation.
Freedom of Speech Jul 21 2022 Explores the dynamics of the First Amendment rights in the United States, showing how social, economic, and political changes in this nation affect the views and practice of free speech.
Electronic Media Criticism Sep 30 2020 Given the prominence of the electronic media in the 21st century, it is crucial that both media professionals and consumers know how to decipher and evaluate media content, the assumptions on which that content is based, and the constraints to which it is subject. Electronic Media Criticism offers a variety of critical approaches to audio and video discourse. Rather than restricting itself to one perspective, the book applies key aesthetic, sociological, philosophical, psychological, structural, and economic principles to arrive at a comprehensive evaluation of both programming and advertising content. Maintaining the approach of the original volume, this second edition includes: * updated chapters to reflect the current media world, including sample reviews and illustrations, * material pertaining to "new media"--because the book is process-oriented rather than medium-oriented, Internet referents are interspersed in discussion of the various critical perspectives, * two additional scripts for critical analysis--an episode of The Simpsons and an installment of the dark Canadian comedy The Newsroom, and * new exercises for further practice in applying critical procedures. Orlik interweaves the insights of industry and academic authorities, recognizing that both orientations are essential in the development of a valid and viable critical outlook. Written for media students and practitioners, all readers of this volume will gain feasible and flexible tools for focused and rational analysis of electronic media products, as well as improved understanding of the role and essential ingredients of criticism itself.
Electrolytic In-Process Dressing (ELID) Technologies Feb 04 2021 Edited by experts, one of whom developed the technology, Electrolytic In-Process

Dressing (ELID) Technologies: Fundamentals and Applications provides an overview of ELID processes with correlations between the main parameters, describes ELID operations, and illustrates the concepts with case studies. The book's authoritative coverage of major concepts and applications of this emerging technology makes it a definitive reference. The book delineates the fundamentals, the chemistry and physics, and the hardware required by the process, then explores the application of ELID to different configurations of grinding. It discusses ELID grinding methods, lapping/grinding process, honing, and an original method of ELID grinding of free forms surfaces using an original design. The book also provides case studies in areas such as: Nano ultra-precision ELID and the latest developments in ELID nano-grinding Glass ceramic mirrors, small lens, and large scale optics New concept of micro-workshop, where all the machines tools and measurement devices are table-top machines with high accuracy Successful applications of ELID technology in the optics, semiconductor, mold and die, and micro-tools industries Surface modifications as a future method for obtaining complex modifications of surfaces by using ELID in combination with other methods Arguably the first comprehensive review of this emerging technology, this book combines information drawn from experts and the literature to provide a practical reference for the field. The editors have put together a resource that anticipates many of the questions that will arise from the investigation of ELID methods and applications.
Electron micrographs of clay minerals Nov 01 2020 Electron micrographs of clay minerals
Electronic Troubleshooting, Fourth Edition Jun 27 2020 The Most Complete, Current Guide to Troubleshooting and Repairing Electrical and Electronic Devices "If it's electronic, and there is troubleshooting to be done, then this is the book to reach for!" --Dr. Simon Monk, bestselling author of 30 Arduino Projects for the Evil Genius and Hacking Electronics: An Illustrated DIY Guide for Makers and Hobbyists "...an outstanding book on electronic troubleshooting with clear, concise, and concrete examples that anyone can relate to." --James Karagiannes, Ph.D. Physics, Associate Dean of Engineering and Information Sciences, DeVry University, Chicago Fully updated for the latest technologies, devices, test instruments, and problem-solving methods, the new edition of this practical resource provides you with the comprehensive information you need to troubleshoot today's electrical and electronic equipment. Inside you'll find new and enhanced coverage of: Wireless communications Embedded microprocessor systems Cutting-edge medical diagnostic equipment Advanced networking technologies The book uniquely blends traditional electrical theory and components with modern networking and electronic technology. Chapter-ending questions and problems test your understanding of the topics discussed. Filled with tables, charts, illustrations, graphs, and flowcharts, this is a must-have manual for anyone who works with electronics--at home or on the job. Electronic Troubleshooting, Fourth Edition, covers: Electric motors and generators Industrial controls Residential, commercial, and wireless communications Radio and television Digital circuits Combinational and sequential digital circuits Microprocessor-based systems Biomedical equipment Computer networking and network drives Embedded microprocessor systems
Electronic System-Level HW/SW Co-Design of Heterogeneous Multi-Processor Embedded Systems Jul 29 2020 Modern electronic systems consist of a fairly heterogeneous set of components. Today, a single system can be constituted by a hardware platform, frequently composed of a mix of analog and digital components, and by several software application layers. The hardware can include several heterogeneous microprocessors (e.g. GPP, DSP, GPU, etc.), dedicated ICs (ASICs and/or FPGAs), memories, a set of local connections between the system components, and some interfaces between the system and the environment (sensors, actuators, etc.). Therefore, on the one hand, multi-processor embedded systems are capable of meeting the demand of processing power and flexibility of complex applications. On the other hand, such systems are very complex to design and optimize, so that the design methodology plays a major role in determining the success of the products. For these reasons, to cope with the increasing system complexity, the approaches typically used today are oriented towards co-design methodologies working at the higher levels of abstraction. Unfortunately, such methodologies are typically customized for the specific application, suffer of a lack of generality and still need a considerable effort when real-size project are envisioned. Therefore, there is still the need for a general methodology able to support the designer during the high-level steps of a co-design flow, enabling an effective design space exploration before tackling the low-level steps and thus committing to the final technology. This should prevent costly redesign loops. In such a context, the work described in this book, composed of two parts, aims at providing models, methodologies and tools to support each step of the co-design flow of embedded systems implemented by exploiting heterogeneous multi-processor architectures mapped on distributed systems, as well as fully integrated onto a single chip. The first part focuses on issues like the analysis of system specification languages, and the analysis of existing system-level HW/SW co-simulation methodologies to support heterogeneous multi-processor architectures. The second part focuses mainly on Design Space Exploration, and it presents both some theoretical advancements with respect to the first part, and the development of a prototypal framework that provides practical exploitation of the proposed concepts.
Electronic Tap-changer for Distribution Transformers Aug 18 2019 This reference collects all relevant aspects electronic tap-changer and presents them in a comprehensive and orderly manner. It explains logically and systematically the design and optimization of a full electronic tap-changer for distribution transformers. The book provides a fully new insight to all possible structures of power section design and categorizes them comprehensively, including cost factors of the design. In the control section design, the authors review mechanical tap-changer control systems and they present the modeling of a full electronic tap-changer as well as a closed-loop control of the full-electronic tap-changer. The book is written for electrical engineers in industry and academia but should be useful also to postgraduate students of electrical engineering.
The Naked Corporation Feb 16 2022 Welcome to the world of the naked corporation. Transparency is revolutionizing every aspect of our economy and its industries and forcing firms to rethink their fundamental values. We are in an extraordinary age where businesses must make themselves clearly visible to shareholders, customers, employees, partners, and society. Financial data, employee grievances, internal memos, environmental disasters, product weaknesses, international protests, scandals and policies, good news and bad; all can be seen by anyone who knows where to look. Don Tapscott, bestselling author and one of the most sought after strategists and speakers in the business world, is famous for seeing into the future and pointing out both its forest and its trees. David Ticoll, visionary researcher, columnist, and consultant, has identified countless breakthrough trends at the intersection of technology and business strategy. These two longtime collaborators now offer a brilliant guide to the new age of openness. In The Naked Corporation, they explain how the new transparency has caused a power shift toward customers, employees, shareholders, and other stakeholders; how and where information has exploded; and how corporations across many industries have seized on transparency not as a challenge but as an opportunity. Drawing on such examples as Shell Oil's reinvention of itself as an environmentally focused business, to Johnson & Johnson's longstanding and carefully nurtured reputation as a company worthy of trust—as well as little-known examples from pharmaceuticals, insurance, high technology, and financial services—Tapscott and Ticoll offer invaluable advice on how to lead the new age, rather than simply react to it. The Naked Corporation is a book for managers, employees, investors, customers, and anyone who cares about the future of the corporation and society.
Electronics Calculations Data Handbook Sep 11 2021 Electronics Calculations Data Handbook is a unique handbook consisting of tables compiled as a labour-saving aid for electronics engineers, designers and technicians. The layout and content of these is designed to make them easy to use, and to contain the most valuable but tough to calculate information. Daniel McBrearty compiled this book as a result of bitter experience as an analog designer, initially prototyping and testing the ideas of other folk, and seeking to make those little changes that can make the difference between a good and really excellent circuit, and later doing the whole thing himself. If you don't know off the top of your head the best pair of E24 resistors to make an inverting op-amp stage of 18dB gain (and who does?) then this book will save you hours and protect your sanity in a world in which your calculator always goes missing, and you've forgotten the formula. All the key data needed by electronics designers, engineers and technicians Saves on hours of needless number-crunching Must-have information at a glance
SLAPPs Jun 20 2022 In a democracy that for over 200 years has prided itself on public participation and citizen involvement in government, thousands have been and will be the targets of multi-million-dollar lawsuits. They will be sued for such "all-American" activities as circulating a petition, writing a letter to the editor, testifying at a public hearing, reporting violations of the law, filing an official complaint, lobbying for legislation, or otherwise communicating their views. Such cases, named "Strategic Lawsuits Against Public Participation," with their apropos acronym, SLAPPs, are a shocking abuse of one of our most basic political rights - the Right to Petition. So extensive and grievous is the phenomenon

that Justice Nicholas Colabella remarked, "Short of a gun to the head, a greater threat to First Amendment expression can scarcely be imagined."George W. Pring and Penelope Canan explore the full range of SLAPP stories in this first study of SLAPPs - retaliatory lawsuits by real estate developers; teachers; police; politicians; opponents of civil rights; consumers' rights; women's rights; and many others. This comprehensive book examines what happens to the targets of SLAPPs and what is happening to public participation in American politics. Addressing the ultimate dilemma - what can be done to turn the tables and fight back - Pring and Canan offer concrete, well-supported, balanced solutions for preventing, managing, and curing SLAPPs at all levels of government. Author note: George W. Pring is Professor of Law at the University of Denver. >P>Penelope Canan is Associate Professor of Sociology at the University of Denver. They are the co-directors of the Political Litigation Project at the University of Denver.

Electronic Iran Mar 25 2020 Electronic Iran introduces the concept of the Iranian Internet, a framework that captures interlinked, transnational networks of virtual and offline spaces. Taking her cues from early Internet ethnographies that stress the importance of treating the Internet as both a site and product of cultural production, accounts in media studies that highlight the continuities between old and new media, and a range of works that have made critical interventions in the field of Iranian studies, Niki Akhavan traces key developments and confronts conventional wisdom about digital media in general, and contemporary Iranian culture and politics in particular. Akhavan focuses largely on the years between 1998 and 2012 to reveal a diverse and combative virtual landscape where both geographically and ideologically dispersed individuals and groups deployed Internet technologies to variously construct, defend, and challenge narratives of Iranian national identity, society, and politics. While it tempers celebratory claims that have dominated assessments of the Iranian Internet, Electronic Iran is ultimately optimistic in its outlook. As it exposes and assesses overlooked aspects of the Iranian Internet, the book sketches a more complete map of its dynamic landscape, and suggests that the transformative powers of digital media can only be developed and understood if attention is paid to both the specificities of new technologies as well as the local and transnational contexts in which they appear.

Electromechanical Devices & Components Illustrated Sourcebook Aug 30 2020 Get Quick Access to 2,000 Illustrations of Components and Devices Used in Electromechanical Machines and Systems! Ideal for all engineers and technicians who design, repair, and operate electromechanical equipment, Electromechanical Devices and Components Illustrated Sourcebook provides 2,000 illustrations of the most commonly used elements found in today's electromechanical machines and systems. This essential working tool contains detailed diagrams, drawn to scale, with relevant calculations and tabular information presented for easy reference. Packed with engineering examples and principles, this easy-to-use guide offers you a comprehensive overview of all the most important and fundamental electromechanical elements. The book includes on-target illustrations of power sources...acoustic devices...electrical controls...circuit breakers...connectors...fuses and motors...heating elements...mechanical switches and relays...vacuum tubes...meters...wire and conductors...sensors and transducers...and much more. Electromechanical Devices and Components Illustrated Sourcebook features: 2,000 illustrations of electromechanical components and devices Quick access to vital engineering information All diagrams drawn to scale, with calculations and tabular data Detailed explanations of elements, with graphs and formulae A broad range of engineering examples and principles A source of innovative ideas for design engineers This Time-Saving Engineering Tool Includes Illustrations of • Power Sources • Acoustic Devices • Magnetic Components • Electrical Controls _ Circuit Protection • Heating • Vacuum Tubes • Rotating Equipment • Meters • Connectors • Wire and Conductors • Lighting • Controlling Mechanical Movements • Sensors • Standards

The War On Our Freedoms Mar 17 2022 In each generation, for different reasons, America witnesses a tug of war between the instinct to suppress and the instinct for openness. Today, with the perception of a mortal threat from terrorists, the instinct to suppress is in the ascendancy. Part of the reason for this is the trauma that our country experienced on September 11, 2001, and part of the reason is that the people who are in charge of our government are inclined to use the suppression of information as a management strategy. Rather than waiting ten or fifteen years to point out what's wrong with the current rush to limit civil liberties in the name of "national security," these essays by top thinkers, scholars, journalists, and historians lift the veil on what is happening and why the implications are dangerous and disturbing and ultimately destructive of American values and ideals. Without our even being aware, the judiciary is being undermined, the press is being intimidated, racial profiling is rampant, and our privacy is being invaded. The "war on our freedoms " is just as real as the "war on terror "-and, in the end, just as dangerous.

Electromechanical Systems and Devices Dec 02 2020 Students entering today's engineering fields will find an increased emphasis on practical analysis, design, and control. They must be able to translate their advanced programming abilities and sound theoretical backgrounds into superior problem-solving skills. Electromechanical Systems and Devices facilitates the creation of critical problem-solvin

Electronic Design Automation Apr 06 2021 This book provides broad and comprehensive coverage of the entire EDA flow. EDA/VLSI practitioners and researchers in need of fluency in an "adjacent" field will find this an invaluable reference to the basic EDA concepts, principles, data structures, algorithms, and architectures for the design, verification, and test of VLSI circuits. Anyone who needs to learn the concepts, principles, data structures, algorithms, and architectures of the EDA flow will benefit from this book. Covers complete spectrum of the EDA flow, from ESL design modeling to logic/test synthesis, verification, physical design, and test - helps EDA newcomers to get "up-and-running" quickly Includes comprehensive coverage of EDA concepts, principles, data structures, algorithms, and architectures - helps all readers improve their VLSI design competence Contains latest advancements not yet available in other books, including Test compression, ESL design modeling, large-scale floorplanning, placement, routing, synthesis of clock and power/ground networks - helps readers to design/develop testable chips or products Includes industry best-practices wherever appropriate in most chapters - helps readers avoid costly mistakes

Electronic Components and Technology May 07 2021 Most introductory textbooks in electronics focus on the theory while leaving the practical aspects to be covered in laboratory courses. However, the sooner such matters are introduced, the better able students will be to include such important concerns as parasitic effects and reliability at the very earliest stages of design. This philosophy has kept Electronic Components and Technology thriving for two decades, and this completely updated third edition continues the approach with a more international outlook. Not only does this textbook introduce the properties, behavior, fabrication, and use of electronic components, it also helps students grasp and apply sound engineering practice by incorporating in-depth discussions on topics such as safety and reliability. The author employs a holistic treatment that clearly demonstrates how electronic components and subsystems work together, reinforcing the concepts with numerous examples, case studies, problems, illustrations, and objectives. This edition was updated to reflect advances and changes to industrial practice, including packaging technologies, digital oscilloscopes, lead-free solders, and new battery technologies. Additionally, the text's scope now extends to include terminology and standards used worldwide. Including coverage of topics often ignored in other textbooks on the subject, Electronic Components and Technology, Third Edition encourages students to be better, more thoughtful designers and prepares them with current industrial practices.

Electromagnetic Field Computation by Network Methods Apr 25 2020 In this monograph, the authors propose a systematic and rigorous treatment of electromagnetic field representations in complex structures. The architecture suggested in this book accommodates use of different numerical methods as well as alternative Green's function representations in each of the subdomains resulting from a partitioning of the overall problem. The subdomains are regions of space where electromagnetic energy is stored and are described in terms of equivalent circuit representations based either on lumped element circuits or on transmission lines. Connection networks connect the subcircuits representing the subdomains. The connection networks are lossless, don't store energy and represent the overall problem topology. This is similar to what is done in circuit theory and permits a phrasing of the solution of EM field problems in complex structures by Network-oriented methods.

Cyber Rights Dec 14 2021 A first-person account of the fight to preserve First Amendment rights in the digital age. Lawyer and writer Mike Godwin has been at the forefront of the struggle to preserve freedom of speech on the Internet. In Cyber Rights he recounts the major cases and issues in which he was involved and offers his views on free speech and other constitutional rights in the digital age. Godwin shows how the law and the Constitution apply, or should apply, in cyberspace and defends the Net against those who would damage it for their own purposes. Godwin details events and phenomena that have shaped our understanding of rights in cyberspace—including early antihacker fears that colored law enforcement

activities in the early 1990s, the struggle between the Church of Scientology and its critics on the Net, disputes about protecting copyrighted works on the Net, and what he calls "the great cyberporn panic." That panic, he shows, laid bare the plans of those hoping to use our children in an effort to impose a new censorship regime on what otherwise could be the most liberating communications medium the world has seen. Most important, Godwin shows how anyone—not just lawyers, journalists, policy makers, and the rich and well connected—can use the Net to hold media and political institutions accountable and to ensure that the truth is known.

Electromagnetic Transients in Power Cables Jul 09 2021 From the more basic concepts to the most advanced ones where long and laborious simulation models are required, Electromagnetic Transients in Power Cables provides a thorough insight into the study of electromagnetic transients and underground power cables. Explanations and demonstrations of different electromagnetic transient phenomena are provided, from simple lumped-parameter circuits to complex cable-based high voltage networks, as well as instructions on how to model the cables. Supported throughout by illustrations, circuit diagrams and simulation results, each chapter contains exercises, solutions and examples in order to develop a practical understanding of the topics. Harmonic analysis of cable-based networks and instructions on how to accurately model a cable-based network are also covered, including several “tricks” and workarounds to help less experienced engineers perform simulations and analyses more efficiently. Electromagnetic Transients in Power Cables is an invaluable resource for students and engineers new to the field, but also as a point of reference for more experienced industry professionals.

Contemporary Issues in Business Ethics Jan 15 2022 This collected volume of essays, the work of scholars from DePaul University who have served as the Wicklander Chair in Business Ethics, focuses on a wide range of issues including the role of self-interest in commerce, moral character, evil and complacency, privacy, spirituality in the work place, and globalization challenges.

Electromagnetic Analysis Using Transmission Line Variables Aug 10 2021 Introduction to transmission lines and their application to electromagnetic phenomena. Notation and mapping of physical properties.

Load Sharing Control Dec 26 2022

Electromagnetic Nondestructive Evaluation (VI) Jan 23 2020 This work is a collection of papers on electromagnetic nondestructive evaluation. It discusses developments in the growing field of electromagnetic nondestructive evaluation methods. Topics include evaluation of degradation mechanism in magnetic materials.

Electronic Value Exchange Oct 20 2019 Electronic Value Exchange examines in detail the transformation of the VISA electronic payment system from a collection of non-integrated, localized, paper-based bank credit card programs into the cooperative, global, electronic value exchange network it is today. Topics and features: provides a history of the VISA system from the mid-1960s to the early 1980s; presents a historical narrative based on research gathered from personal documents and interviews with key actors; investigates, for the first time, both the technological and social infrastructures necessary for the VISA system to operate; supplies a detailed case study, highlighting the mutual shaping of technology and social relations, and the influence that earlier information processing practices have on the way firms adopt computers and telecommunications; examines how “gateways” in transactional networks can reinforce or undermine established social boundaries, and reviews the establishment of trust in new payment devices.

Who Rules the Net? Oct 24 2022 This book considers the threarts to free speech and online commerce posed by international goverment attempting to impose such territorial statutes and standards within cyberspace.

Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering Dec 22 2019 More and more researchers engage into investigation of electromagnetic applications, especially these connected with mechatronics, information technologies, medicine, biology and material sciences. It is readily seen when looking at the content of the book that computational techniques, which were under development during the last three decades and are still being developed, serve as good tools for discovering new electromagnetic phenomena. It means that the field of computational electromagnetics belongs to an application area rather than to a research area. This publication aims at joining theory and practice, thus the majority of papers are deeply rooted in engineering problems, being simultaneously of high theoretical level. The editors hope to touch the heart of the matter in electromagnetism. The book focuses on the following issues: Computational Electromagnetics; Electromagnetic Engineering; Coupled Field and Special Applications; Micro- and Special Devices; Bioelectromagnetics and Electromagnetic Hazard; and Magnetic Material Modeling.

Plant Stress Physiology, 2nd Edition Aug 22 2022 Completely updated from the successful first edition, this book provides a timely update on the recent progress in our knowledge of all aspects of plant perception, signalling and adaptation to a variety of environmental stresses. It covers in detail areas such as drought, salinity, waterlogging, oxidative stress, pathogens, and extremes of temperature and pH. This second edition presents detailed and up-to-date research on plant responses to a wide range of stresses Includes new full-colour figures to help illustrate the principles outlined in the text Is written in a clear and accessible format, with descriptive abstracts for each chapter. Written by an international team of experts, this book provides researchers with a better understanding of the major physiological and molecular mechanisms facilitating plant tolerance to adverse environmental factors. This new edition of Plant Stress Physiology is an essential resource for researchers and students of ecology, plant biology, agriculture, agronomy and plant breeding.

Electronic Hearth Sep 18 2019 We all talk about the "tube" or "box," as if television were simply another appliance like the refrigerator or toaster oven. But Cecilia Tichi argues that TV is actually an environment--a pervasive screen-world that saturates almost every aspect of modern life. In Electronic Hearth, she looks at how that environment evolved, and how it, in turn, has shaped the American experience. Tichi explores almost fifty years of writing about television--in novels, cartoons, journalism, advertising, and critical books and articles--to define the role of television in the American consciousness. She examines early TV advertising to show how the industry tried to position the new device as not just a gadget but a prestigious new piece of furniture, a highly prized addition to the home. The television set, she writes, has emerged as a new electronic hearth--the center of family activity. John Updike described this "primitive appeal of the hearth" in Roger's Version: "Television is--its irresistible charm--a fire. Entering an empty room, we turn it on, and a talking face flares into being." Sitting in front of the TV, Americans exist in a safety zone, free from the hostility and violence of the outside world. She also discusses long-standing suspicions of TV viewing: its often solitary, almost autoerotic character, its supposed numbing of the minds and imagination of children, and assertions that watching television drugs the minds of Americans. Television has been seen as treacherous territory for public figures, from generals to presidents, where satire and broadcast journalism often deflate their authority. And the print culture of journalism and book publishing has waged a decades-long war of survival against it--only to see new TV generations embrace both the box and the book as a part of their cultural world. In today's culture, she writes, we have become "teleconscious"--seeing, for example, real life being certified through television ("as seen on TV"), and television constantly ratified through its universal presence in art, movies, music, comic strips, fabric prints, and even references to TV on TV. Ranging far beyond the bounds of the broadcast industry, Tichi provides a history of contemporary American culture, a culture defined by the television environment. Intensively researched and insightfully written, The Electronic Hearth offers a new understanding of a critical, but much-maligned, aspect of modern life.

Electromagnetic Modeling by Finite Element Methods Nov 20 2019 Unlike any other source in the field, this valuable reference clearly examines key aspects of the finite element method (FEM) for electromagnetic analysis of low-frequency electrical devices. The authors examine phenomena such as nonlinearity, mechanical force, electrical circuit coupling, vibration, heat, and movement for applications in the elect

Electrolysis Mar 05 2021 High temperature electrolysis (HTE), which is the highly efficient electrolysis of steam at high temperature and utilises the heat and electrical power supplied by advanced nuclear reactor, provides a very promising way for massive production of hydrogen in the future. This book provides an overview of HTE technology including its key characteristics and challenges of solid oxide electrolysis cell (SOEC) development. This book also examines the theory of electrical double layer, which is an essential electrochemical problem. The phenomenological theory of interfacial phenomena is also explored, with consideration of surface polarisation. Furthermore, the electrochemical reduction of nitrate

has a great importance mainly for environmental and analytical purposes. This book provides a review of 225 papers dealing with the electrochemical reduction of nitrate. Other chapters introduce the application of electrochemical method for treatment of domestic wastewater and industrial wastewater, propose a novel point of view concerning some theoretical and practical aspects of isoelectric focusing, describe the electrochemical oxidation of strontium chloride (SrCl2) to strontrium chlorate employing a noble metal oxide coated anode and rotating stainless steel cathode, and report a preparation method suitable for requirements of industrial applications to graft active polymer films. Experimental studies on electrodeposition of silver-indium (Ag-In) alloys are also described, as well as the application of the electrochemical discharge phenomenon to synthetic chemistry, nanoparticle synthesis and micromachining.

Electronic Health Record Jan 03 2021 Discover How Electronic Health Records Are Built to Drive the Next Generation of Healthcare Delivery The increased role of IT in the healthcare sector has led to the coining of a new phrase "health informatics," which deals with the use of IT for better healthcare services. Health informatics applications often involve maintaining the health records of individuals, in digital form, which is referred to as an Electronic Health Record (EHR). Building and implementing an EHR infrastructure requires an understanding of healthcare standards, coding systems, and frameworks. This book provides an overview of different health informatics resources and artifacts that underlie the design and development of interoperable healthcare systems and applications. Electronic Health Record: Standards, Coding Systems, Frameworks, and Infrastructures compiles, for the first time, study and analysis results that EHR professionals previously had to gather from multiple sources. It benefits readers by giving them an understanding of what roles a particular healthcare standard, code, or framework plays in EHR design and overall IT-enabled healthcare services along with the issues involved. This book on Electronic Health Record: Offers the most comprehensive coverage of available EHR Standards including ISO, European Union Standards, and national initiatives by Sweden, the Netherlands, Canada, Australia, and many others Provides assessment of existing standards Includes a glossary of frequently used terms in the area of EHR Contains numerous diagrams and illustrations to facilitate comprehension Discusses security and reliability of data