Electric Circuit Analysis 4th Johnson Aiyingore

Fundamentals of Electrical EngineeringCMOS ElectronicsNumerical and Analytical Methods with MATLAB for Electrical EngineersFundamentals of Electric CircuitsElectric CircuitsModeling and Analysis of Dynamic SystemsElectric Circuit AnalysisSubject Guide to Books in PrintElectric Circuit AnalysisBasic Electric Circuit AnalysisForthcoming BooksAmerican Book Publishing RecordBibliographic Guide to TechnologyThe Cumulative Book IndexCumulative Book IndexDigital Integrated CircuitsThe Publishers' Trade List AnnualElectronics and Circuit Analysis Using MATLABWho's Who in AmericaElectrical Engin Hdbk TheElectric Vehicle EngineeringBasic Electric Circuit AnalysisArtificial Intelligence AbstractsRecording for the Blind & Dyslexic, Catalog of BooksScientific and Technical Books and Serials in PrintVocational-technical Learning MaterialsBooks in Print SupplementThe British National BibliographyMcGraw-Hill Encyclopedia of Science & TechnologyScientific and Technical Books in PrintThe National Union Catalog, Pre-1956 ImprintsPure and Applied Science Books, 1876-1982Basic Engineering Circuit AnalysisThe Electrical Engineering Handbook,Second EditionMcGraw-Hill Encyclopedia of EngineeringIndustrial EducationElectrical Power EngineeringThe British Library general catalogue of printed books 1976 to 1982. 4. Ball - BenzBooks in print : an author-title-series index ; BIP. 1991/92,2. Authors G - NFoundations of Engineering

Fundamentals of Electrical Engineering

CMOS Electronics

Numerical and Analytical Methods with MATLAB for Electrical Engineers

Over 220,000 entries representing some 56,000 Library of Congress subject headings. Covers all disciplines of science and technology, e.g., engineering, agriculture, and domestic arts. Also contains at least 5000 titles published before 1876. Has many applications in libraries, information centers, and other organizations concerned with scientific and technological literature. Subject index contains main listing of entries. Each entry gives cataloging as prepared by the Library of Congress. Author/title indexes.

Fundamentals of Electric Circuits

Electric Circuits

Modeling and Analysis of Dynamic Systems

An examination of the basics of circuit analysis. The topics covered in this book include nodal and loop

analysis techniques, magnetically coupled networks, and the application of the Laplace transform to circuit analysis.

Electric Circuit Analysis

In 1993, the first edition of The Electrical Engineering Handbook set a new standard for breadth and depth of coverage in an engineering reference work. Now, this classic has been substantially revised and updated to include the latest information on all the important topics in electrical engineering today. Every electrical engineer should have an opportunity to expand his expertise with this definitive guide. In a single volume, this handbook provides a complete reference to answer the questions encountered by practicing engineers in industry, government, or academia. This well-organized book is divided into 12 major sections that encompass the entire field of electrical engineering, including circuits, signal processing, electronics, electromagnetics, electrical effects and devices, and energy, and the emerging trends in the fields of communications, digital devices, computer engineering, systems, and biomedical engineering. A compendium of physical, chemical, material, and mathematical data completes this comprehensive resource. Every major topic is thoroughly covered and every important concept is defined, described, and illustrated. Conceptually challenging but carefully explained articles are equally valuable to the practicing engineer, researchers, and students. A distinguished advisory board and contributors including many of the leading

authors, professors, and researchers in the field today assist noted author and professor Richard Dorf in offering complete coverage of this rapidly expanding field. No other single volume available today offers this combination of broad coverage and depth of exploration of the topics. The Electrical Engineering Handbook will be an invaluable resource for electrical engineers for years to come.

Subject Guide to Books in Print

This book gives freshman engineering students a solid foundation for all their future coursework. It provides an overview to the engineering profession and of the skills they will need to develop, as well as an introduction to fundamental engineering topics such as thermodynamics, rate processes, and Newton's laws. An important aspect of the book's approach is the method of Engineering Accounting, which casts the basic conservation laws (e.g., of energy or mass) as simple "accounting" procedures. This is a unifying concept that facilitates problem-solving across all engineering disciplines.

Electric Circuit Analysis

Basic Electric Circuit Analysis

Forthcoming Books

American Book Publishing Record

For use in an introductory circuit analysis or circuit theory course, this text presents circuit analysis in a clear manner, with many practical applications. It demonstrates the principles, carefully explaining each step.

Bibliographic Guide to Technology

CMOS manufacturing environments are surrounded with symptoms that can indicate serious test, design, or reliability problems, which, in turn, can affect the financial as well as the engineering bottom line. This book educates readers, including non-engineers involved in CMOS manufacture, to identify and remedy these causes. This book instills the electronic knowledge that affects not just design but other important areas of manufacturing such as test, reliability, failure analysis, yield-quality issues, and problems. Designed specifically for the many non-electronic engineers employed in the semiconductor industry who need to reliably manufacture chips at a high rate in large quantities, this is a practical guide to how CMOS electronics work, how failures occur, and how to diagnose and avoid them. Key features: Builds a grasp of the basic electronics of CMOS integrated circuits and then leads the reader further to understand the mechanisms of failure. Unique descriptions of circuit failure mechanisms, some found previously only in research papers and others new to this publication. Targeted to the CMOS industry (or students headed there) and not a generic

introduction to the broader field of electronics. Examples, exercises, and problems are provided to support the self-instruction of the reader.

The Cumulative Book Index

Cumulative Book Index

Digital Integrated Circuits

Contains the most extensive coverage of digital integrated circuits available in a single source. Provides complete qualitative descriptions of circuit operation followed by in-depth analytical analyses and spice simulations. The circuit families described in detail are transistor-transistor logic (TTL, STTL, and ASTTL), emitter-coupled logic (ECL), NMOS logic, CMOS logic, dynamic CMOS, BiCMOS structures and various GASFET technologies. In addition to detailed presentation of the basic inverter circuits for each digital logic family, complete details of other logic circuits for these families are presented.

The Publishers' Trade List Annual

A comprehensive source of electrical engineering information, this text features a complete section devoted to key mathematical formulae, concepts, definitions and derivatives. It also provides complete descriptions of select US and international professional and academic societies.

Electronics and Circuit Analysis Using MATLAB

Who's Who in America

Electrical Engin Hdbk The

Electric Vehicle Engineering

Basic Electric Circuit Analysis

A valuable introduction to key concepts in electric power engineering for both entry-level and seasoned professionals. Table of Contents: 1. Energy Sources and Electric Power; 2. Magnetic Fields and Magnetic Circuits; 3. The Power Transformer; 4. Synchronous Machines; 5. D.C. Machines; 6. Induction Machines; 7. The Electric Power System Network; Appendix: Complex Numbers, Phasors, Impedances, and Polyphase Circuits. 200 illustrations.

Artificial Intelligence Abstracts

Recording for the Blind & Dyslexic, Catalog of Books

Very Good,No Highlights or Markup,all pages are

intact.

Scientific and Technical Books and Serials in Print

Vocational-technical Learning Materials

Books in Print Supplement

The British National Bibliography

This text is intended for a first course in dynamic systems and is designed for use by sophomore and junior majors in all fields of engineering, but principally mechanical and electrical engineers. All engineers must understand how dynamic systems work and what responses can be expected from various physical systems.

McGraw-Hill Encyclopedia of Science & Technology

A complete guide to electric vehicle design, operation, and adoption This hands-on resource thoroughly explains the technologies and techniques involved in the design and operation of today's electric vehicles. Originally written for use in a course co-taught by the authors at Stanford University, Electric Vehicle Engineering discusses the physics of vehicle motion;

the electrical principles on which motors rely; the chemistry, operation, and charging of lithium-ion batteries; the design and operation of motor controllers; the energy efficiency and environmental impact of electric vehicles; and the policy and economics affecting their adoption. After teaching you the theory, the authors will guide you through a hands-on project in which you will build a model electric car from the ground up with a hand-wound electric motor of your own design. Coverage includes: Introduction to electric vehicles Electric vehicle history Vehicle dynamics Electric motors Lithium-ion batteries Controllers Well-to-wheels energy and emissions analysis Electric vehicle policies and economics Future prospects

Scientific and Technical Books in Print

The National Union Catalog, Pre-1956 Imprints

A comprehensive, 20-volume reference encyclopedia on science and technology.

Pure and Applied Science Books, 1876-1982

Basic Engineering Circuit Analysis

Combining academic and practical approaches to this important topic, Numerical and Analytical Methods

with MATLAB® for Electrical Engineers is the ideal resource for electrical and computer engineering students. Based on a previous edition that was geared toward mechanical engineering students, this book expands many of the concepts presented in that book and replaces the original projects with new ones intended specifically for electrical engineering students. This book includes: An introduction to the MATLAB programming environment Mathematical techniques for matrix algebra, root finding, integration, and differential equations More advanced topics, including transform methods, signal processing, curve fitting, and optimization An introduction to the MATLAB graphical design environment, Simulink Exploring the numerical methods that electrical engineers use for design analysis and testing, this book comprises standalone chapters outlining a course that also introduces students to computational methods and programming skills, using MATLAB as the programming environment. Helping engineering students to develop a feel for structural programming—not just button-pushing with a software program—the illustrative examples and extensive assignments in this resource enable them to develop the necessary skills and then apply them to practical electrical engineering problems and cases.

The Electrical Engineering Handbook,Second Edition

* Key equations are followed by a brief explanation to increase student comprehension of important

mathematical concepts. * Modern op amp is presented as a versatile linear circuit element. * Highly motivational use of op amps with SPICE for exploratory active circuit design. * SPICE tutorial material placed in clearly marked sections that can be skipped or de-emphasized. No reliance on SPICE or other computer methods in the remaining sections. * Balanced emphasis given to the complementary time, phasor, and domain approaches which are the core of modern linear circuit analysis.

McGraw-Hill Encyclopedia of Engineering

Industrial Education

Electrical Power Engineering

The use of MATLAB is ubiquitous in the scientific and engineering communities today, and justifiably so. Simple programming, rich graphic facilities, built-in functions, and extensive toolboxes offer users the power and flexibility they need to solve the complex analytical problems inherent in modern technologies. The ability to use MATLAB effectively has become practically a prerequisite to success for engineering professionals. Like its best-selling predecessor, Electronics and Circuit Analysis Using MATLAB, Second Edition helps build that proficiency. It provides an easy, practical introduction to MATLAB and clearly demonstrates its use in solving a wide range of electronics and circuit analysis problems. This edition

reflects recent MATLAB enhancements, includes new material, and provides even more examples and exercises. New in the Second Edition: Thorough revisions to the first three chapters that incorporate additional MATLAB functions and bring the material up to date with recent changes to MATLAB A new chapter on electronic data analysis Many more exercises and solved examples New sections added to the chapters on two-port networks, Fourier analysis, and semiconductor physics MATLAB m-files available for download Whether you are a student or professional engineer or technician, Electronics and Circuit Analysis Using MATLAB, Second Edition will serve you well. It offers not only an outstanding introduction to MATLAB, but also forms a guide to using MATLAB for your specific purposes: to explore the characteristics of semiconductor devices and to design and analyze electrical and electronic circuits and systems.

The British Library general catalogue of printed books 1976 to 1982. 4. Ball - Benz

Books in print : an author-title-series index ; BIP. 1991/92,2. Authors G - N

Foundations of Engineering

A world list of books in the English language.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION