

Electric Circuit Fundamentals By Sergio Franco Solution Manual

Analog Circuit Design: Discrete and Integrated is written by enthusiastic circuit practitioner, Sergio Franco. This text places great emphasis on developing intuition and physical insight. The numerous examples and problems have been carefully thought out to promote problem solving methodologies of the type engineers apply daily on the job. Each chapter provides a fairly comprehensive coverage of its title subject. SPICE has been integrated throughout the text both as a pedagogical aid to confer more immediately to a new concept, and as a validation tool for hand calculations. PSPICE is used to bring out nuances that would be too complex for hand calculations.

A "student-friendly" introduction to the basics of electric circuit analysis, this sophomore-level text covers traditional material, as well as such modern topics as op-amps and the use of digital computers for circuit analysis. The presentation is very lucid and thorough with clearer and more complete explanations of Kirchoff's laws, and nodal analysis than in comparable texts. Bobrow also places greater emphasis on signals and waveforms. This text features evaluation of initial conditions, phasor diagrams, and coverage of SPICE.

Now readers can master the fundamentals of electric circuits with Kang's ELECTRIC CIRCUITS. Readers learn the basics of electric circuits with common design practices and simulations as the book presents clear step-by-step examples, practical exercises, and problems. Each chapter includes several examples and problems related to circuit design, with answers for odd-numbered questions so learners can further prepare themselves with self-guided study and practice. ELECTRIC CIRCUITS covers everything from DC circuits and AC circuits to Laplace transformed circuits. MATLAB scripts for certain examples give readers an alternate method to solve circuit problems, check answers, and reduce laborious derivations and calculations. This edition also provides PSpice and Simulink examples to demonstrate electric circuit simulations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This is the only book on the market that has been conceived and deliberately written as a one-semester text on basic electric circuit theory. As such, this book employs a novel approach to the exposition of the material in which phasors and ac steady-state analysis are introduced at the beginning. This allows one to use phasors in the discussion of transients excited by ac sources, which makes the presentation of transients more comprehensive and meaningful. Furthermore, the machinery of phasors paves the road to the introduction of transfer functions, which are then used in the analysis of transients and the discussion of Bode plots and filters. Another salient feature of the text is the consolidation into one chapter of the material concerned with dependent sources and operational amplifiers. Dependent sources are introduced

as linear models for transistors on the basis of small signal analysis. In the text, PSpice simulations are prominently featured to reinforce the basic material and understanding of circuit analysis. Key Features * Designed as a comprehensive one-semester text in basic circuit theory * Features early introduction of phasors and ac steady-state analysis * Covers the application of phasors and ac steady-state analysis * Consolidates the material on dependent sources and operational amplifiers * Places emphasis on connections between circuit theory and other areas in electrical engineering * Includes PSpice tutorials and examples * Introduces the design of active filters * Includes problems at the end of every chapter * Priced well below similar books designed for year-long courses

Basic Electrical Engineering

Fundamental Numerical Methods for Electrical Engineering

Electric Circuits Fundamentals

Calculus on Manifolds

Electric Circuits and Networks

Written by an award-winning educator and researcher, the sixteen experiments in this book have been extensively class-tested and fine-tuned. This lab manual, like no other, provides an exciting, active exploration of concepts and measurements and encourages students to tinker, experiment, and become creative on their own. This benefits their further study and subsequent professional work. The manual includes self-contained background for all electronics experiments, so that the lab can be run concurrently with any circuits or electronics course, at any level. It uses circuits in real applications which students can relate to, in order to motivate them and convince them that what they learn is for real. As a result, the material is not only made interesting, but helps motivate further study in circuits, electronics, communications and semiconductor devices. EXTENSIVE INSTRUCTOR RESOURCES: * Putting the Lab Together is an extensive resource for instructors who are considering starting a lab based on this book. Includes an overview of a typical lab station, suggestions for choosing measurement equipment, equipment list with relevant information, and detailed information on parts required. This resource is openly available. * Instructor's Manual includes hints for choosing lab TAs, hints on how to run the lab experiments, guidelines for shortening or combining experiments, answers to experiment questions, and suggestions for projects and exams. This manual is available to instructors who adopt the book.

Electric Circuits Fundamentals Oxford University Press on Demand

These practice problems are designed to supplement any first year circuit analysis text. They contain detailed, logical solutions and cover basic concepts included normally in any introductory circuit course.

Franco's "Design with Operational Amplifiers and Analog Integrated Circuits, 4e" combines theory with real-life applications to deliver a straightforward look at analog design principles and techniques. An emphasis on the physical picture helps the student develop the intuition and practical insight that are the keys to making sound design decisions. The book is intended for a design-oriented course in applications with operational amplifiers and analog ICs. It also serves as a comprehensive reference for practicing engineers. This new edition includes enhanced pedagogy (additional problems, more in-depth coverage of negative

feedback, more effective layout), updated technology (current-feedback and folded-cascode amplifiers, and low-voltage amplifiers), and increased topical coverage (current-feedback amplifiers, switching regulators and phase-locked loops).

Intelligent Computing Techniques for Smart Energy Systems

Power Electronics

Electric Machines

Basic Electric Circuit Theory

A Modern Approach to Classical Theorems of Advanced Calculus

Electric Circuits and Networks is designed to serve as a textbook for a two-semester undergraduate course on basic electric circuits and networks. The book builds on the subject from its basic principles. Spread over seventeen chapters, the book can be taught with varying degree of emphasis on its six subsections based on the course requirement. Written in a student-friendly manner, its narrative style places adequate stress on the principles that govern the behaviour of electric circuits and networks.

The book compiles the research works related to smart solutions concept in context to smart energy systems, maintaining electrical grid discipline and resiliency, computational collective intelligence consisted of interaction between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It includes high-quality papers presented in the International Conference on Intelligent Computing Techniques for Smart Energy Systems organized by Manipal University Jaipur. This book will motivate scholars to work in these areas. The book also prophesies their approach to be used for the business and the humanitarian technology development as research proposal to various government organizations for funding approval.

Designed for the freshman/sophomore Calculus I-II-III sequence, the eighth edition continues to evolve to fulfill the needs of a changing market by providing flexible solutions to teaching and learning needs of all kinds. The new edition retains the strengths of earlier editions such as Anton's trademark clarity of exposition, sound mathematics, excellent exercises and examples, and appropriate level. Anton also incorporates new ideas that have withstood the objective scrutiny of many skilled and thoughtful instructors and their students.

This exciting new text teaches the foundations of electric circuits and develops a thinking style and a problem-solving methodology that is based on physical insight. Designed for the first course or sequence in circuits in electrical engineering, the approach imparts not only an appreciation for the elegance of the mathematics of circuit theory, but a genuine feel for a circuit's physical operation.

This will benefit students not only in the rest of the curriculum, but in being able to cope with the rapidly changing technology they will face on-the-job. The text covers all the traditional topics in a way that holds students' interest. The presentation is only as mathematically rigorous as is needed, and theory is always related to real-life situations. Franco introduces ideal transformers and amplifiers early on to stimulate student interest by giving a taste of actual engineering practice. This is followed by extensive coverage of the operational amplifier to provide a practical illustration of abstract but fundamental concepts such as impedance transformation and root location control--always with a vigilant eye on the underlying physical basis. SPICE is referred to throughout the text as a means for checking the results of hand calculations, and in separate end-of-chapter sections, which introduce the most important SPICE features at the specific points in the presentation at which students will find them most useful. Over 350 worked examples, 400-plus exercises, and 1000 end-of-chapter problems help students develop an engineering approach to problem solving based on conceptual understanding and physical intuition rather than on rote procedures

Modeling, Condition Monitoring, and Fault Diagnosis

Proceedings of ICTSES 2018

Circuit Analysis and Design

Schaum's Outline of Theory and Problems of Basic Circuit Analysis

Digital Design: International Version

This fully updated textbook provides complete coverage of electrical circuits and introduces students to the field of energy conversion technologies, analysis and design. Chapters are designed to equip students with necessary background material in such topics as devices, switching circuit analysis techniques, converter types, and methods of conversion. The book contains a large number of examples, exercises, and problems to help enforce the material presented in each chapter. A detailed discussion of resonant and softswitching dc-to-dc converters is included along with the addition of new chapters covering digital control, non-linear control, and micro-inverters for power electronics applications. Designed for senior undergraduate and graduate electrical engineering students, this book provides students with the ability to analyze and design power electronic circuits used in various industrial applications.

Stormy development of electronic computation techniques (computer systems and software), observed during the last decades, has made possible automation of data processing in many important human activity areas, such as science, technology, economics and labor organization. In a broadly understood technology area, this development led to separation of specialized forms of using computers for the design and manufacturing processes, that is: -

computer-aided design (CAD) – computer-aided manufacture (CAM) In order to show the role of computer in the rest of the two applications mentioned above, let us consider basic stages of the design process for a standard piece of electronic system, or equipment: – formulation of requirements concerning user properties (characteristics, parameters) of the designed equipment, – elaboration of the initial, possibly general electric structure, – determination of mathematical model of the system on the basis of the adopted electric structure, – determination of basic responses (frequency- or time-domain) of the system, on the basis of previously established mathematical model, – repeated modification of the adopted diagram (changing its structure or element values) in case, when it does not satisfy the adopted requirements, – preparation of design and technological documentation, – manufacturing of model (prototype) series, according to the prepared documentation, – testing the prototype under the aspect of its electric properties, mechanical durability and sensitivity to environment conditions, – modification of prototype documentation, if necessary, and handing over the documentation to series production. The most important stages of the process under discussion are illustrated in Fig. 1.1. xi xii Introduction Fig. 1. There are three outstanding points of this book. First: for the first time, a collective point of view on the role of artificial intelligence paradigm in logic design is introduced. Second, the book reveals new horizons of logic design tools on the technologies of the near future. Finally, the contributors of the book are twenty recognizable leaders in the field from the seven research centres. The chapters of the book have been carefully reviewed by equally qualified experts. All contributors are experienced in practical electronic design and in teaching engineering courses. Thus, the book's style is accessible to graduate students, practical engineers and researchers.

This book uses elementary versions of modern methods found in sophisticated mathematics to discuss portions of "advanced calculus" in which the subtlety of the concepts and methods makes rigor difficult to attain at an elementary level.

Experiments in Electronics Fundamentals and Electric Circuits Fundamentals

Theory and Applications

Microelectronics

Electronics - Circuits and Systems

Electronics Fundamentals

In two editions spanning more than a decade, The Electrical Engineering Handbook stands as the definitive reference to the multidisciplinary field of electrical engineering. Our knowledge continues to grow, and so does the Handbook. For the third edition, it has grown into a set of six books carefully focused on specialized areas or fields of study. Each one represents a concise yet definitive collection of key concepts, models, and equations in its respective domain, thoughtfully gathered for convenient access. Combined, they constitute the most comprehensive, authoritative resource available. Circuits, Signals, and Speech and Image

Processing presents all of the basic information related to electric circuits and components, analysis of circuits, the use of the Laplace transform, as well as signal, speech, and image processing using filters and algorithms. It also examines emerging areas such as text to speech synthesis, real-time processing, and embedded signal processing. Electronics, Power Electronics, Optoelectronics, Microwaves, Electromagnetics, and Radar delves into the fields of electronics, integrated circuits, power electronics, optoelectronics, electromagnetics, light waves, and radar, supplying all of the basic information required for a deep understanding of each area. It also devotes a section to electrical effects and devices and explores the emerging fields of microlithography and power electronics. Sensors, Nanoscience, Biomedical Engineering, and Instruments provides thorough coverage of sensors, materials and nanoscience, instruments and measurements, and biomedical systems and devices, including all of the basic information required to thoroughly understand each area. It explores the emerging fields of sensors, nanotechnologies, and biological effects. Broadcasting and Optical Communication Technology explores communications, information theory, and devices, covering all of the basic information needed for a thorough understanding of these areas. It also examines the emerging areas of adaptive estimation and optical communication. Computers, Software Engineering, and Digital Devices examines digital and logical devices, displays, testing, software, and computers, presenting the fundamental concepts needed to ensure a thorough understanding of each field. It treats the emerging fields of programmable logic, hardware description languages, and parallel computing in detail. Systems, Controls, Embedded Systems, Energy, and Machines explores in detail the fields of energy devices, machines, and systems as well as control systems. It provides all of the fundamental concepts needed for thorough, in-depth understanding of each area and devotes special attention to the emerging area of embedded systems. Encompassing the work of the world's foremost experts in their respective specialties, The Electrical Engineering Handbook, Third Edition remains the most convenient, reliable source of information available. This edition features the latest developments, the broadest scope of coverage, and new material on nanotechnologies, fuel cells, embedded systems, and biometrics. The engineering community has relied on the Handbook for more than twelve years, and it will continue to be a platform to launch the next wave of advancements. The Handbook's latest incarnation features a protective slipcase, which helps you stay organized without overwhelming your bookshelf. It is an attractive addition to any collection, and will help keep each volume of the Handbook as fresh as your latest research.

In many cases, new designers of electronic circuits blindly search for ways to improve the design itself using a brute-force, hit-and-miss approach. The intention of this book is to avoid this pitfall by teaching readers what not to do with SPICE. This is accomplished by keying each example in this text to those presented in Sedra and Smith's Microelectronic Circuits 3/E, where a complete hand analysis is provided.

For close to 30 years, Basic Electrical Engineering has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such

as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Design with Operational Amplifiers and Analog Integrated Circuits combines theory with real-life applications to deliver a straightforward look at analog design principles and techniques. An emphasis on the physical picture helps the student develop the intuition and practical insight that are the keys to making sound design decisions. This book is intended for a design-oriented course in applications with operational amplifiers and analog ICs. It also serves as a comprehensive reference for practicing engineers. This new edition includes enhanced pedagogy (additional problems, more in-depth coverage of negative feedback, more effective layout), updated technology (current-feedback and folded-cascode amplifiers, and low-voltage amplifiers), and increased topical coverage (current-feedback amplifiers, switching regulators and phase-locked loops).

A One-Semester Text

A First Lab in Circuits and Electronics

Operational Amplifiers and Linear Integrated Circuits

Design With Operational Amplifiers And Analog Integrated Circuits

Fundamentals of Electric Circuits

First Published in 2010. Routledge is an imprint of Taylor & Francis, an informa company.

This book offers broad, detailed coverage of theoretical developments in induction and direct resistance heating and presents new material on the solution of problems in the application of such heating. The physical basis of induction and conduction heating processes is explained and electromagnetic phenomena in direct resistance and induction heating of flat workpieces and cylindrical bodies are examined in depth. The calculation of electrical and energetic characteristics of induction and conduction heating systems is then thoroughly reviewed. The final two chapters consider analytical solutions and numerical modeling of problems in the application of induction and direct resistance heating, providing industrial engineers with the knowledge needed in order to use numerical tools in the modern design of installations. Other engineers, scientists and technologists will find the book to be an invaluable reference that will assist in the efficient utilization of electrical energy.

With over 30 years of experience in both industrial and university settings, the author covers the most widespread logic design practices while building a solid foundation of theoretical and engineering principles for students to use as they go forward in this

fast moving field.

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.

Theory and Problems of Electric Circuits

The Electrical Engineering Handbook - Six Volume Set, Third Edition

Circuits, Devices, and Applications

Analog Circuit Design: Discrete & Integrated

Induction and Direct Resistance Heating

Microelectronic Circuits by Sedra and Smith has served generations of electrical and computer engineering students as the best and most widely-used text for this required course. Respected equally as a textbook and reference, "Sedra/Smith" combines a thorough presentation of fundamentals with an introduction to present-day IC technology. It remains the best text for helping students progress from circuit analysis to circuit design, developing design skills and insights that are essential to successful practice in the field. Significantly revised with the input of two new coauthors, slimmed down, and updated with the latest innovations, Microelectronic Circuits, Eighth Edition, remains the gold standard in providing the most comprehensive, flexible, accurate, and design-oriented treatment of electronic circuits available today.

Embedded Microcomputer Systems: Real Time Interfacing provides an in-depth discussion of the design of real-time embedded systems using 9S12 microcontrollers. This book covers the hardware aspects of interfacing, advanced software topics (including interrupts), and a systems approach to typical embedded applications. This text stands out from other microcomputer systems books because of its balanced, in-depth treatment of both hardware and software issues important in real time embedded systems design. It features a wealth of detailed case studies that demonstrate basic concepts in the context of actual working examples of systems. It also features a unique simulation software package on the bound-in CD-ROM (called Test Execute and Simulate, or TExaS, for short) that provides a self-contained software environment for designing, writing, implementing, and testing both the hardware and software components of embedded systems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

With countless electric motors being used in daily life, in everything from transportation and medical treatment to military operation and communication, unexpected failures can lead to the loss of valuable human life or a costly standstill in

industry. To prevent this, it is important to precisely detect or continuously monitor the working condition of a motor. *Electric Machines: Modeling, Condition Monitoring, and Fault Diagnosis* reviews diagnosis technologies and provides an application guide for readers who want to research, develop, and implement a more effective fault diagnosis and condition monitoring scheme—thus improving safety and reliability in electric motor operation. It also supplies a solid foundation in the fundamentals of fault cause and effect. Combines Theoretical Analysis and Practical Application Written by experts in electrical engineering, the book approaches the fault diagnosis of electrical motors through the process of theoretical analysis and practical application. It begins by explaining how to analyze the fundamentals of machine failure using the winding functions method, the magnetic equivalent circuit method, and finite element analysis. It then examines how to implement fault diagnosis using techniques such as the motor current signature analysis (MCSA) method, frequency domain method, model-based techniques, and a pattern recognition scheme. Emphasizing the MCSA implementation method, the authors discuss robust signal processing techniques and the implementation of reference-frame-theory-based fault diagnosis for hybrid vehicles. *Fault Modeling, Diagnosis, and Implementation in One Volume* Based on years of research and development at the Electrical Machines & Power Electronics (EMPE) Laboratory at Texas A&M University, this book describes practical analysis and implementation strategies that readers can use in their work. It brings together, in one volume, the fundamentals of motor fault conditions, advanced fault modeling theory, fault diagnosis techniques, and low-cost DSP-based fault diagnosis implementation strategies.

Analog Circuit Design

Artificial Intelligence in Logic Design

Calculus

Elementary Linear Circuit Analysis

Electric Circuits

Design with Operational Amplifiers and Analog Integrated Circuits

A comprehensive guide to the conceptual, mathematical, and implementational aspects of analyzing electrical brain signals, including data from MEG, EEG, and LFP recordings. This book offers a comprehensive guide to the theory and practice of analyzing electrical brain signals. It explains the conceptual, mathematical, and implementational (via Matlab programming) aspects of time-, time-frequency- and synchronization-based analyses of magnetoencephalography (MEG), electroencephalography (EEG), and local field potential (LFP) recordings from humans and nonhuman animals. It is the only book on the topic that covers both the theoretical background and the implementation in language that can be understood by readers without extensive formal training in mathematics, including cognitive scientists, neuroscientists, and psychologists. Readers who go through the book chapter by chapter and implement the examples in Matlab will

develop an understanding of why and how analyses are performed, how to interpret results, what the methodological issues are, and how to perform single-subject-level and group-level analyses. Researchers who are familiar with using automated programs to perform advanced analyses will learn what happens when they click the “analyze now” button. The book provides sample data and downloadable Matlab code. Each of the 38 chapters covers one analysis topic, and these topics progress from simple to advanced. Most chapters conclude with exercises that further develop the material covered in the chapter. Many of the methods presented (including convolution, the Fourier transform, and Euler's formula) are fundamental and form the groundwork for other advanced data analysis methods. Readers who master the methods in the book will be well prepared to learn other approaches.

This updated version of its internationally popular predecessor provides an introductory problem-solved text for understanding fundamental concepts of electronic devices, their design, and their circuitry. Providing an interface with Pspice, the most widely used program in electronics, new key features include a new chapter presenting the basics of switched mode power supplies, thirty-one new examples, and twenty-three PS solved problems.

By helping students develop an intuitive understanding of the subject, Microelectronics teaches them to think like engineers. The second edition of Razavi's Microelectronics retains its hallmark emphasis on analysis by inspection and building students' design intuition, and it incorporates a host of new pedagogical features that make it easier to teach and learn from, including: application sidebars, self-check problems with answers, simulation problems with SPICE and MULTISIM, and an expanded problem set that is organized by degree of difficulty and more clearly associated with specific chapter sections.

A theoretical and technical guide to the electric vehicle lithium-ion battery management system Covers the timely topic of battery management systems for lithium batteries. After introducing the problem and basic background theory, it discusses battery modeling and state estimation. In addition to theoretical modeling it also contains practical information on charging and discharging control technology, cell equalisation and application to electric vehicles, and a discussion of the key technologies and research methods of the lithium-ion power battery management system. The author systematically expounds the theory knowledge included in the lithium-ion battery management systems and its practical application in electric vehicles, describing the theoretical connotation and practical application of the battery management systems. Selected graphics in the book are directly derived from the real vehicle tests. Through comparative analysis of the different system structures and different graphic symbols, related concepts are clear and the understanding of the battery management systems is enhanced. Contents include: key technologies and the difficulty point of vehicle power battery management system; lithium-ion battery performance modeling and simulation; the estimation theory and methods of the lithium-ion battery state of charge, state of energy, state of health and peak power; lithium-ion battery charge and discharge control technology; consistent evaluation and equalization techniques of the battery pack; battery management system design and application in electric vehicles. A theoretical and technical guide to the electric vehicle lithium-ion battery management system Using simulation technology, schematic diagrams and case studies, the basic concepts are described clearly and offer detailed analysis of battery charge and discharge control

principles Equips the reader with the understanding and concept of the power battery, providing a clear cognition of the application and management of lithium ion batteries in electric vehicles Arms audiences with lots of case studies Essential reading for Researchers and professionals working in energy technologies, utility planners and system engineers.

Theory and Numerical Modeling

Early Transcendentals Single Variable

Principles and Practices Package

Analyzing Neural Time Series Data

Embedded Microcomputer Systems: Real Time Interfacing

This exciting new text teaches the foundations of electric circuits and develops a thinking style and a problem-solving methodology that is based on physical insight. Designed for the first course or sequence in circuits in electrical engineering, the approach imparts not only an appreciation for the elegance of the mathematics of circuit theory, but a genuine "feel" for a circuit's physical operation. This will benefit students not only in the rest of the curriculum, but in being able to cope with the rapidly changing technology they will face on-the-job. The text covers all the traditional topics in a way that holds students' interest. The presentation is only as mathematically rigorous as is needed, and theory is always related to real-life situations. Franco introduces ideal transformers and amplifiers early on to stimulate student interest by giving a taste of actual engineering practice. This is followed by extensive coverage of the operational amplifier to provide a practical illustration of abstract but fundamental concepts such as impedance transformation and root location control--always with a vigilant eye on the underlying physical basis. SPICE is referred to throughout the text as a means for checking the results of hand calculations, and in separate end-of-chapter sections, which introduce the most important SPICE features at the specific points in the presentation at which students will find them most useful. Over 350 worked examples, 400-plus exercises, and 1000 end-of-chapter problems help students develop an engineering approach to problem solving based on conceptual understanding and physical intuition rather than on rote procedures.

Confusing Textbooks? Missed Lectures? Not Enough Time?. . Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. . . This Schaum's Outline gives you. . Practice problems with full explanations that reinforce knowledge. Coverage of the most up-to-date developments in your course field. In-depth review of practices and applications. . . Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores!. . Schaum's Outlines-Problem Solved.. . .

This text provides optional computer analysis exercises in selected examples, troubleshooting sections, & applications assignments. It

uses frank explanations & limits maths to only what's needed for understanding electric circuits fundamentals.

Schaum's Outline of Electronic Devices and Circuits, Second Edition

Circuit Systems with MATLAB and PSpice

Spice

Microelectronic Circuits

Fundamentals and Applications of Lithium-ion Batteries in Electric Drive Vehicles