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 Circuits and Networks
 Electrical Circuit Theory and Technology
 Network Analysis & Synthesis
 Beyond BIOS
 Electrical and Electronic Devices, Circuits, and Materials
 NETWORK ANALYSIS-JNTU 4E
 Micro and Smart Systems
 Digital Logic and Computer Design
 Lithium-ion Batteries
 Engineering Circuit Analysis
 Circuits and Networks
 Emerging Trends in Electrical, Communications, and Information Technologies
 Network Analysis & Synthesis (Including Linear System Analysis)
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SAUL GIOVANNA

Electrical Technology Cambridge University Press
 "This is the first machine-generated scientific book in chemistry published by Springer Nature. Serving as an innovative prototype defining the current status of the technology, it also provides an overview about the latest trends of lithium-ion batteries research. This book explores future ways of informing researchers and professionals. State-of-the-art computer algorithms were applied to: select relevant sources from Springer Nature publications, arrange these in a topical order, and provide succinct summaries of these articles. The result is a cross-corpora auto-summarization of current texts, organized by means of a similarity-based clustering routine in coherent chapters and sections. This book summarizes more than 150 research articles published from 2016 to 2018 and provides an informative and concise overview of recent research into anode and cathode materials as well as further aspects such as separators, polymer electrolytes, thermal behavior and modelling. With this prototype,

Springer Nature has begun an innovative journey to explore the field of machine-generated content and to find answers to the manifold questions on this fascinating topic. Therefore it was intentionally decided not to manually polish or copy-edit any of the texts so as to highlight the current status and remaining boundaries of machine-generated content. Our goal is to initiate a broad discussion, together with the research community and domain experts, about the future opportunities, challenges and limitations of this technology."--Publisher's website.

Electric Circuits and Networks New Age International

This work provides coverage of circuit analysis topics, including fundamentals of DC and AC circuits, methods of analysis, capacitance, inductance, magnetism, simple transients and computer methods.

Circuit Analysis John Wiley & Sons

Microsystems are systems that integrate, on a chip or a package, one or more of many different categories of microdevices. As the past few decades were dominated by the development and rapid miniaturization of circuitry, the current and coming decades are witnessing a similar revolution in the miniaturization of sensors, actuators, and electronics; and communication, control and

power devices. Applications ranging from biomedicine to warfare are driving rapid innovation and growth in the field, which is pushing this topic into graduate and undergraduate curricula in electrical, mechanical, and biomedical engineering.

Interconnection Networks Pearson Education India
Avul Pakir Jainulabdeen Abdul Kalam, The Son Of A Little-Educated Boat-Owner In Rameswaram, Tamil Nadu, Had An Unparalleled Career As A Defence Scientist, Culminating In The Highest Civilian Award Of India, The Bharat Ratna. As Chief Of The Country`S Defence Research And Development Programme, Kalam Demonstrated The Great Potential For Dynamism And Innovation That Existed In Seemingly Moribund Research Establishments. This Is The Story Of Kalam`S Rise From Obscurity And His Personal And Professional Struggles, As Well As The Story Of Agni, Prithvi, Akash, Trishul And Nag--Missiles That Have Become Household Names In India And That Have Raised The Nation To The Level Of A Missile Power Of International Reckoning.

Advances in Computer, Communication and Control Routledge
Electronic Circuit Analysis is designed to serve as a textbook for a two semester undergraduate course on electronic circuit analysis. It builds on the subject from its basic principles over fifteen chapters, providing detailed coverage on the design and analysis of electronic circuits.

Basic Circuit Theory Cambridge University Press
This book provides an overview of modern boot firmware, including the Unified Extensible Firmware Interface (UEFI) and its associated EFI Developer Kit II (EDKII) firmware. The authors have each made significant contributions to developments in these areas. The reader will learn to use the latest developments in UEFI on modern hardware, including open source firmware and open hardware designs. The book begins with an exploration of interfaces exposed to higher-level software and operating systems, and commences to the left of the boot timeline, describing the flow of typical systems, beginning with the machine restart event. Software engineers working with UEFI will benefit greatly from this book, while specific sections of the book address topics relevant for a general audience: system architects, pre-operating-system application developers, operating system vendors (loader, kernel), independent hardware vendors (such as for plug-in adapters), and developers of end-user applications. As a secondary audience, project technical leaders or managers may be interested in this book to get a feel for what their engineers are doing. The reader will find: An overview of UEFI and underlying Platform Initialization (PI) specifications How to create UEFI applications and drivers Workflow to design the firmware solution for a modern platform Advanced usages of UEFI firmware for security and manageability

Electronic Circuit Analysis Springer
Electrical Circuit Theory and Technology is a fully comprehensive text for courses in electrical and electronic principles, circuit theory and electrical technology. The coverage takes students from the fundamentals of the subject, to the completion of a first year degree level course. Thus, this book is ideal for students studying engineering for the first time, and is also suitable for pre-degree vocational courses, especially where progression to higher levels of study is likely. John Bird's approach, based on 700 worked examples supported by over 1000 problems (including answers), is ideal for students of a wide range of abilities, and can be worked through at the student's own pace. Theory is kept to a minimum, placing a firm emphasis on problem-solving skills, and making this a thoroughly practical introduction to these core subjects in the electrical and electronic engineering curriculum. This revised edition includes new material on transients and laplace transforms, with the content

carefully matched to typical undergraduate modules. Free Tutor Support Material including full worked solutions to the assessment papers featured in the book will be available at <http://textbooks.elsevier.com/>. Material is only available to lecturers who have adopted the text as an essential purchase. In order to obtain your password to access the material please follow the guidelines in the book.

Intelligent Communication Technologies and Virtual Mobile Networks McGraw-Hill Science, Engineering & Mathematics
Test Prep for Circuit and Network Theory—GATE, PSUS AND ES Examination

CIRCUITS AND NETWORKS: ANALYSIS AND SYNTHESIS S. Chand Publishing

The design of today's semiconductor chips for various applications, such as telecommunications, poses various challenges due to the complexity of these systems. These highly complex systems-on-chips demand new approaches to connect and manage the communication between on-chip processing and storage components and networks on chips (NoCs) provide a powerful solution. This book is the first to provide a unified overview of NoC technology. It includes in-depth analysis of all the on-chip communication challenges, from physical wiring implementation up to software architecture, and a complete classification of their various Network-on-Chip approaches and solutions.* Leading-edge research from world-renowned experts in academia and industry with state-of-the-art technology implementations/trends* An integrated presentation not currently available in any other book* A thorough introduction to current design methodologies and chips designed with NoCs

Circuits and Networks Pearson Education India
For over thirty years, Stan Amos has provided students and practitioners with a text they could rely on to keep them at the forefront of transistor circuit design. This seminal work has now been presented in a clear new format and completely updated to include the latest equipment such as laser diodes, Trapatt diodes, optocouplers and GaAs transistors, and the most recent line output stages and switch-mode power supplies. Although integrated circuits have widespread application, the role of discrete transistors is undiminished, both as important building blocks which students must understand and as practical solutions to design problems, especially where appreciable power output or high voltage is required. New circuit techniques covered for the first time in this edition include current-dumping amplifiers, bridge output stages, dielectric resonator oscillators, crowbar protection circuits, thyristor field timebases, low-noise blocks and SHF amplifiers in satellite receivers, video clamps, picture enhancement circuits, motor drive circuits in video recorders and camcorders, and UHF modulators. The plan of the book remains the same: semiconductor physics is introduced, followed by details of the design of transistors, amplifiers, receivers, oscillators and generators. Appendices provide information on transistor manufacture and parameters, and a new appendix on transistor letter symbols has been included.

Electrical Circuit Theory and Technology Tata McGraw-Hill Education

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.
Network Analysis & Synthesis Vikas Publishing House
A comprehensive overview of the Internet of Things' core concepts, technologies, and applications Internet of Things A to Z

offers a holistic approach to the Internet of Things (IoT) model. The Internet of Things refers to uniquely identifiable objects and their virtual representations in an Internet-like structure. Recently, there has been a rapid growth in research on IoT communications and networks, that confirms the scalability and broad reach of the core concepts. With contributions from a panel of international experts, the text offers insight into the ideas, technologies, and applications of this subject. The authors discuss recent developments in the field and the most current and emerging trends in IoT. In addition, the text is filled with examples of innovative applications and real-world case studies. Internet of Things A to Z fills the need for an up-to-date volume on the topic. This important book: Covers in great detail the core concepts, enabling technologies, and implications of the Internet of Things Addresses the business, social, and legal aspects of the Internet of Things Explores the critical topic of security and privacy challenges for both individuals and organizations Includes a discussion of advanced topics such as the need for standards and interoperability Contains contributions from an international group of experts in academia, industry, and research Written for ICT researchers, industry professionals, and lifetime IT learners as well as academics and students, Internet of Things A to Z provides a much-needed and comprehensive resource to this burgeoning field.

Beyond BIOS Springer

This book on Network Analysis has been designed keeping in mind the students who take up this foundation course in their first semester at JNTU. Focused coverage of syllabus, variety of solved problems from previous years question papers and right level of theory makes this book very student friendly.

Electrical and Electronic Devices, Circuits, and Materials Elsevier

The increasing demand for electronic devices for private and industrial purposes lead designers and researchers to explore new electronic devices and circuits that can perform several tasks efficiently with low IC area and low power consumption. In addition, the increasing demand for portable devices intensifies the call from industry to design sensor elements, an efficient storage cell, and large capacity memory elements. Several industry-related issues have also forced a redesign of basic electronic components for certain specific applications. The researchers, designers, and students working in the area of electronic devices, circuits, and materials sometimes need standard examples with certain specifications. This breakthrough work presents this knowledge of standard electronic device and circuit design analysis, including advanced technologies and materials. This outstanding new volume presents the basic concepts and fundamentals behind devices, circuits, and systems. It is a valuable reference for the veteran engineer and a learning tool for the student, the practicing engineer, or an engineer from another field crossing over into electrical engineering. It is a must-have for any library.

NETWORK ANALYSIS-JNTU 4E Pearson Education India

This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design.

Micro and Smart Systems Technical Publications

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Digital Logic and Computer Design McGraw Hill Professional

The book discusses the recent research trends in various sub-domains of computing, communication and control. It includes research papers presented at the First International Conference on Emerging Trends in Engineering and Science. Focusing on

areas such as optimization techniques, game theory, supply chain, green computing, 5g networks, Internet of Things, social networks, power electronics and robotics, it is a useful resource for academics and researchers alike.

Lithium-ion Batteries Elsevier

This Book Has Been Designed As A Basic Text For Undergraduate Students Of Electrical, Electronics And Communication And Computer Engineering. In A Systematic And Friendly Manner, The Book Explains Not Only The Fundamental Concepts Like Circuit Elements, Kirchhoff S Laws, Network Equations And Resonance, But Also The Relatively Advanced Topics Like State Variable Analysis, Modern Filters, Active Rc Filters And Sensitivity Considerations. Salient Features * Basic Circuit Elements, Time And Periodic Signals And Different Types Of Systems Defined And Explained. * Network Reduction Techniques And Source Transformation Discussed. * Network Theorems Explained Using Typical Examples. * Solution Of Networks Using Graph Theory Discussed. * Analysis Of First Order, Second Order Circuits And A Perfect Transform Using Differential Equations Discussed. * Theory And Application Of Fourier And Laplace Transforms Discussed In Detail. * Interconnections Of Two-Port Networks And Their Performance In Terms Of Their Poles And Zeros Emphasised. * Both Foster And Cauer Forms Of Realisation Explained In Network Synthesis. * Classical And Modern Filter Theory Explained. * Z-Transform For Discrete Systems Explained. * Analogous Systems And Spice Discussed. * Numerous Solved Examples And Practice Problems For A Thorough Graph Of The Subject. * A Huge Question Bank Of Multiple Choice Questions With Answers Exhaustively Covering The Topics Discussed. With All These Features, The Book Would Be Extremely Useful Not Only For Undergraduate Engineering Students But Also For Amie And Gate Candidates And Practising Engineers.

Engineering Circuit Analysis Wiley Global Education

This book presents the outcomes of the Intelligent Communication Technologies and Virtual Mobile Networks Conference (ICICV 2019) held in Tirunelveli, India, on February 14-15, 2019. It presents the state of the art in the field, identifying emerging research topics and communication technologies and defining the future of intelligent communication approaches and virtual computing. In light of the tremendous growth ICT, it examines the rapid developments in virtual reality in communication technology and high-quality services in mobile networks, including the integration of virtual mobile computing and communication technologies, which permits new technologies based on the resources and services of computational intelligence, big data analytics, Internet of Things (IoT), 5G technology, automation systems, sensor networks, augmented reality, data mining, and vehicular ad hoc networks with massive cloud-based backend. These services have a significant impact on all areas of daily life, like transportation, e-commerce, health care, secure communication, location detection, smart home, smart city, social networks and many more.

Circuits and Networks CRC Press

The book covers all the aspects of Network Analysis for undergraduate course. The book provides comprehensive coverage of circuit analysis and simplification techniques, coupled circuits, network theorems, transient analysis, Laplace transform, network functions, two port network parameters, network topology and network synthesis with the help of large number of solved problems. The book starts with explaining the various circuit variables, elements and sources. Then it explains different network simplification techniques including mesh analysis, node analysis and source shifting. The basics of coupled circuits and dot conventions are also explained in support. The

book covers the application of various network theorems to d.c. and a.c. circuits. The importance of initial conditions and transient analysis of various networks is also explained in the book. The Laplace transform plays an important role in the network analysis. The chapter on Laplace transform includes properties of Laplace transform and its application in the network analysis. The book includes the discussion of network functions of one and two port networks. The book covers the various aspects of two port network parameters along with the conditions of symmetry and reciprocity. It also derives the interrelationships

between the two port network parameters. The book incorporates the discussion of network topology. Finally the book covers the fundamentals of network synthesis and synthesis of LC, RC and RL networks. The book uses plain and lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. The variety of solved examples is the feature of this book. The book explains the philosophy of the subject which makes the understanding of the subject very clear and makes the subject more interesting. The students have to omit nothing and possibly have to cover nothing more.

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