

Digital Design With An Introduction To The Verilog Hdl 5th Ed By Morris Mano International Economy Edition

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Digital System Design with VHDL - Zwolinski
2004-09

The Essence of Digital Design - Barry
Wilkinson 1998

Wilkinson provides a concise introduction to all the fundamental aspects of digital logic design, covering state diagrams, including those with transitional expressions, and programmable logic devices. He also looks at basic fault-testing.

Digital Design: International Version - John F
Wakerly 2010-06-18

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.

Introduction to Analog and Digital

Communication - M. A. Bhagyaveni 2022-09-01

This book primarily focuses on the design of analog and digital communication systems; and has been structured to cater to the second year engineering undergraduate students of Computer Science, Information Technology, Electrical Engineering and Electronics and Communication departments. For better understanding, the basics of analog communication systems are outlined before the digital communication systems section. The content of this book is also suitable for the

students with little knowledge in communication systems. The book is divided into five modules for efficient presentation, and it provides numerous examples and illustrations for the detailed understanding of the subject, in a thorough manner.

Digital Foundations - xtine burrough 2008-12-11

Fuses design fundamentals and software training into one cohesive book ! The only book to teach Bauhaus design principles alongside basic digital tools of Adobe's Creative Suite, including the recently released Adobe CS4 Addresses the growing trend of compressing design fundamentals and design software into the same course in universities and design trade schools. Lessons are timed to be used in 50-minute class sessions. Digital Foundations uses formal exercises of the Bauhaus to teach the Adobe Creative Suite. All students of digital design and production—whether learning in a classroom or on their own—need to understand the basic principles of design in order to implement them using current software. Far too often design is left out of books that teach software. Consequently, the design software training exercise is often a lost opportunity for visual learning. Digital Foundations reinvigorates software training by integrating Bauhaus design exercises into tutorials fusing design fundamentals and core Adobe Creative Suite methodologies. The result is a cohesive learning experience. Design topics and

principles include: Composition; Symmetry and Asymmetry; Gestalt; Appropriation; The Bauhaus Basic Course Approach; Color Theory; The Grid; Scale, Hierarchy and Collage; Tonal Range; Elements of Motion. Digital Foundations is an AIGA Design Press book, published under Peachpit's New Riders imprint in partnership with AIGA, the professional association for design.

Digital Circuit Analysis and Design with Simulink Modeling and Introduction to CPLDs and FPGAs - Steven T. Karris 2007

This text includes the following chapters and appendices: Common Number Systems and Conversions Operations in Binary, Octal, and Hexadecimal Systems Sign Magnitude and Floating Point Arithmetic Binary Codes Fundamentals of Boolean Algebra Minterms and Maxterms Combinational Logic Circuits Sequential Logic Circuits Memory Devices Advanced Arithmetic and Logic Operations Introduction to Field Programmable Devices Introduction to the ABEL Hardware Description Language Introduction to VHDL Introduction to Verilog Introduction to Boundary-Scan Architecture. Each chapter contains numerous practical applications. This is a design-oriented text.

Introduction to Digital Electronics - Kenneth J. Reid 2008

The perfect introduction to digital concepts, applications, and design, Digital Design with CPLD Applications uses a logical organization of topics, clear explanations, and current examples to present key information in a way that is easy to grasp. Unique in its approach, this book covers combinational and sequential logic circuits using CPLDs while still covering circuit design at the gate level using TTL/CMOS devices. The book begins by introducing combinational logic, including detailed explanations for implementing circuits in Altera Quartus II software and CPLDs. The material continues to be presented at the gate level, preparing readers to successfully navigate more complicated areas like functional circuits. Using formal problem-solving concepts, combinational design is then covered, which includes a large combinational design that includes the building and simulation of each component, marking a valuable departure from traditional books in the

field which do not cover large-scale design at a combinational level. Additional coverage includes sequential circuits with an emphasis on relevant and useful circuits, and microprocessor and memory concepts.

Advanced Digital Design with the Verilog HDL - Michael D. Ciletti 2011

This title builds on the student's background from a first course in logic design and focuses on developing, verifying, and synthesizing designs of digital circuits. The Verilog language is introduced in an integrated, but selective manner, only as needed to support design examples.

Introduction to Logic Circuits & Logic Design with Verilog - Brock J. LaMeres 2019-04-10

This textbook for courses in Digital Systems Design introduces students to the fundamental hardware used in modern computers. Coverage includes both the classical approach to digital system design (i.e., pen and paper) in addition to the modern hardware description language (HDL) design approach (computer-based). Using this textbook enables readers to design digital systems using the modern HDL approach, but they have a broad foundation of knowledge of the underlying hardware and theory of their designs. This book is designed to match the way the material is actually taught in the classroom. Topics are presented in a manner which builds foundational knowledge before moving onto advanced topics. The author has designed the presentation with learning goals and assessment at its core. Each section addresses a specific learning outcome that the student should be able to "do" after its completion. The concept checks and exercise problems provide a rich set of assessment tools to measure student performance on each outcome.

Principles of Transistor Circuits - S W Amos 2013-10-22

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.

Introduction to Interactive Digital Media - Julia V. Griffey 2020-02-06

This book offers a clearly written and engaging introduction to the basics of interactive digital media. As our reliance on and daily usage of websites, mobile apps, kiosks, games, VR/AR and devices that respond to our commands has increased, the need for practitioners who understand these technologies is growing. Author Julia Griffey provides a valuable guide to the fundamentals of this field, offering best practices and common pitfalls throughout. The book also notes opportunities within the field of interactive digital media for professionals with different types of skills, and interviews with experienced practitioners offer practical wisdom for readers. Additional features of this book include: An overview of the history, evolution and impact of interactive media; A spotlight on the development process and contributing team members; Analysis of the components of interactive digital media and their design function (graphics, animation, audio, video, typography, color); An introduction to coding languages for interactive media; and A guide to usability in interactive media. Introduction to Interactive Digital Media will help both students and professionals understand the varied creative, technical, and collaborative skills

needed in this exciting and emerging field.

Introduction to Logic Design - Svetlana N. Yanushkevich 2008-01-25

With an abundance of insightful examples, problems, and computer experiments, Introduction to Logic Design provides a balanced, easy-to-read treatment of the fundamental theory of logic functions and applications to the design of digital devices and systems. Requiring no prior knowledge of electrical circuits or electronics, it supplies the **Complete Digital Design: A Comprehensive Guide to Digital Electronics and Computer System Architecture** - Mark Balch 2003-06-22
YOUR ONE-STOP RESOURCE FOR DIGITAL SYSTEM DESIGN! The explosion in communications and embedded computing technologies has brought with it a host of new skill requirements for electrical and electronics engineers, students, and hobbyists. With engineers expected to have such diverse expertise, they need comprehensive, easy-to-understand guidance on the fundamentals of digital design. Enter McGraw-Hill's Complete Digital Design. Written by an experienced electrical engineer and networking hardware designer, this book helps you understand and navigate the interlocking components, architectures, and practices necessary to design and implement digital systems. It includes: * Real world implementation of microprocessor-based digital systems * Broad presentation of supporting analog circuit principles * Building complete systems with basic design elements and the latest technologies Complete Digital Design will teach you how to develop a customized set of requirements for any design problem—and then research and evaluate available components and technologies to solve it. Perfect for the professional, the student, and the hobbyist alike, this is one volume you need handy at all times! What you'll find inside: * Digital logic and timing analysis * Integrated circuits * Microprocessor and computer architecture * Memory technologies * Networking and serial communications * Finite state machine design * Programmable logic: CPLD and FPGA * Analog circuit basics * Diodes, transistors, and operational amplifiers * Analog-to-digital conversion * Voltage regulation * Signal integrity and PCB design * And more!

Digital Design - M. Morris Mano 2002

For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. & Digital Design, fourth edition is a modern update of the classic authoritative text on digital design. & This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Digital Media Foundations - Richard Lewis
2020-08-05

This book is a creative and practical introduction to the field of digital media for future designers, artists, and media professionals. It addresses the evolution of the field, its connections with traditional media, up-to-date developments, and possibilities for future directions. Logically organized and thoughtfully illustrated, it provides a welcoming guide to this emerging discipline. Describing each medium in detail, chapters trace their history, evolution, and potential applications. The book also explains important, relevant technologies—such as digitizing tablets, cloud storage, and 3-D printers—as well as new and emerging media like augmented and virtual reality. With a focus on concepts and creative possibilities, the text's software-neutral exercises provide hands-on experiences with each of the media. The book also examines legal, ethical, and technical issues in digital media, explores career possibilities, and features profiles of pioneers and digital media professionals. *Digital Media Foundations* is an ideal resource for students, new professionals, and instructors involved in fields of graphic and visual arts, design, and the history of art and design.

Digital Logic Design - Brian Holdsworth
2002-11-01

New, updated and expanded topics in the fourth edition include: EBCDIC, Grey code, practical applications of flip-flops, linear and shaft encoders, memory elements and FPGAs. The section on fault-finding has been expanded. A new chapter is dedicated to the interface between digital components and analog voltages. *A highly accessible, comprehensive and fully up to date digital systems text *A well known and respected text now revamped for

current courses *Part of the Newnes suite of texts for HND/1st year modules

Computer Principles and Design in Verilog HDL - Yamin Li 2015-06-30

Uses Verilog HDL to illustrate computer architecture and microprocessor design, allowing readers to readily simulate and adjust the operation of each design, and thus build industrially relevant skills Introduces the computer principles, computer design, and how to use Verilog HDL (Hardware Description Language) to implement the design Provides the skills for designing processor/arithmetic/cpu chips, including the unique application of Verilog HDL material for CPU (central processing unit) implementation Despite the many books on Verilog and computer architecture and microprocessor design, few, if any, use Verilog as a key tool in helping a student to understand these design techniques A companion website includes color figures, Verilog HDL codes, extra test benches not found in the book, and PDFs of the figures and simulation waveforms for instructors

Verilog HDL - Samir Palnitkar 2003

VERILOG HDL, Second Edition by Samir Palnitkar With a Foreword by Prabhu Goel Written for both experienced and new users, this book gives you broad coverage of Verilog HDL. The book stresses the practical design and verification perspective of Verilog rather than emphasizing only the language aspects. The information presented is fully compliant with the IEEE 1364-2001 Verilog HDL standard. Among its many features, this edition-
• Describes state-of-the-art verification methodologies
• Provides full coverage of gate, dataflow (RTL), behavioral and switch modeling
• Introduces you to the Programming Language Interface (PLI)
• Describes logic synthesis methodologies
• Explains timing and delay simulation
• Discusses user-defined primitives
• Offers many practical modeling tips
Includes over 300 illustrations, examples, and exercises, and a Verilog resource list. Learning objectives and summaries are provided for each chapter. About the CD-ROM The CD-ROM contains a Verilog simulator with a graphical user interface and the source code for the examples in the book.
What people are saying about Verilog HDL-

"Mr. Palnitkar illustrates how and why Verilog HDL is used to develop today's most complex digital designs. This book is valuable to both the novice and the experienced Verilog user. I highly recommend it to anyone exploring Verilog-based design." -Rajeev Madhavan, Chairman and CEO, Magma Design Automation "This book is unique in its breadth of information on Verilog and Verilog-related topics. It is fully compliant with the IEEE 1364-2001 standard, contains all the information that you need on the basics, and devotes several chapters to advanced topics such as verification, PLI, synthesis and modeling techniques." -Michael McNamara, Chair, IEEE 1364-2001 Verilog Standards Organization This has been my favorite Verilog book since I picked it up in college. It is the only book that covers practical Verilog. A must have for beginners and experts." -Berend Ozceri, Design Engineer, Cisco Systems, Inc.

"Simple, logical and well-organized material with plenty of illustrations, makes this an ideal textbook." -Arun K. Somani, Jerry R. Junkins Chair Professor, Department of Electrical and Computer Engineering, Iowa State University, Ames PRENTICE HALL Professional Technical Reference Upper Saddle River, NJ 07458 www.phptr.com ISBN: 0-13-044911-3

Digital Design - Dean Bruton 2013-08-01

Digital Design: A Critical Introduction provides a much-needed new perspective on designing with digital media. Linking ideas from media theory, generative design and creativity with examples from nature, art, architecture, industrial design, websites, animation and games, it addresses some fundamental questions about creative design with digital media. Featuring original material based on the authors' own research, the book argues that the recognition and understanding of the interplay of the two apparently opposing concepts of rules and contingency supports original thinking, creativity and innovation. Going beyond existing texts on the subject, Digital Design is an accessible primer whose innovative approach transcends the analysis of individual subfields - such as animation, games and website design - yet offers practical help within all of them.

Design for Information - Isabel Meirelles 2013-10-01

The visualization process doesn't happen in a

vacuum; it is grounded in principles and methodologies of design, cognition, perception, and human-computer-interaction that are combined to one's personal knowledge and creative experiences. Design for Information critically examines other design solutions - current and historic - helping you gain a larger understanding of how to solve specific problems. This book is designed to help you foster the development of a repertoire of existing methods and concepts to help you overcome design problems. Learn the ins and outs of data visualization with this informative book that provides you with a series of current visualization case studies. The visualizations discussed are analyzed for their design principles and methods, giving you valuable critical and analytical tools to further develop your design process. The case study format of this book is perfect for discussing the histories, theories and best practices in the field through real-world, effective visualizations. The selection represents a fraction of effective visualizations that we encounter in this burgeoning field, allowing you the opportunity to extend your study to other solutions in your specific field(s) of practice. This book is also helpful to students in other disciplines who are involved with visualizing information, such as those in the digital humanities and most of the sciences.

Digital Design, Preview Ed. - Frank Vahid 2009-11-17

Digital Design provides a modern approach to learning the increasingly important topic of digital systems design. The text's focus on register-transfer-level design and present-day applications not only leads to a better appreciation of computers and of today's ubiquitous digital devices, but also provides for a better understanding of careers involving digital design and embedded system design. 1.

Introduction 2. Combinational Logic Design 3. Sequential Logic Design-Controllers 4. Datapath Components 5. Register-Transfer Level (RTL) Design 6. Optimizations and Tradeoffs 7. Physical Implementation 8. Programmable Processors 9. Hardware Description Languages

Introduction to Digital Art -

Introduction to Digital Systems Design - Giuliano Donzellini 2018-08-23

This book has been designed for a first course on digital design for engineering and computer science students. It offers an extensive introduction on fundamental theories, from Boolean algebra and binary arithmetic to sequential networks and finite state machines, together with the essential tools to design and simulate systems composed of a controller and a datapath. The numerous worked examples and solved exercises allow a better understanding and more effective learning. All of the examples and exercises can be run on the Deeds software, freely available online on a webpage developed and maintained by the authors. Thanks to the learning-by-doing approach and the plentiful examples, no prior knowledge in electronics or programming is required. Moreover, the book can be adapted to different level of education, with different targets and depth, be used for self-study, and even independently from the simulator. The book draws on the authors' extensive experience in teaching and developing learning materials.

Digital Logic and Computer Design - M. Morris Mano 2017

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.

Digital Design - John F. Wakerly 2001

CD-ROM contains: Xilinx student edition foundation series software.

Designing Embedded Hardware - John Catsoulis 2002

Intelligent readers who want to build their own embedded computer systems-- installed in everything from cell phones to cars to handheld organizers to refrigerators-- will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building

blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.

Digital Design - M. Morris R. Mano 2017-02-27 For introductory courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. A clear and accessible approach to the basic tools, concepts, and applications of digital design A modern update to a classic, authoritative text, Digital Design, 5th Edition teaches the fundamental concepts of digital design in a clear, accessible manner. The text presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications. Like the previous editions, this edition of Digital Design supports a multimodal approach to learning, with a focus on digital design, regardless of language. Recognizing that three public-domain languages--Verilog, VHDL, and SystemVerilog--all play a role in design flows for today's digital devices, the 5th Edition offers parallel tracks of presentation of multiple languages, but allows concentration on a single, chosen language.

Advanced Engineering Mathematics - Dennis Zill 2011

Accompanying CD-ROM contains ... "a chapter on engineering statistics and probability / by N. Bali, M. Goyal, and C. Watkins."--CD-ROM label.

Digital Design and Computer Architecture - Sarah Harris 2015-04-09

Digital Design and Computer Architecture: ARM Edition covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor. Combining an

engaging and humorous writing style with an updated and hands-on approach to digital design, this book takes the reader from the fundamentals of digital logic to the actual design of an ARM processor. By the end of this book, readers will be able to build their own microprocessor and will have a top-to-bottom understanding of how it works. Beginning with digital logic gates and progressing to the design of combinational and sequential circuits, this book uses these fundamental building blocks as the basis for designing an ARM processor. SystemVerilog and VHDL are integrated throughout the text in examples illustrating the methods and techniques for CAD-based circuit design. The companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. This book will be a valuable resource for students taking a course that combines digital logic and computer architecture or students taking a two-quarter sequence in digital logic and computer organization/architecture. Covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor. Features side-by-side examples of the two most prominent Hardware Description Languages (HDLs)—SystemVerilog and VHDL—which illustrate and compare the ways each can be used in the design of digital systems. Includes examples throughout the text that enhance the reader's understanding and retention of key concepts and techniques. The Companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. The Companion website also includes appendices covering practical digital design issues and C programming as well as links to CAD tools, lecture slides, laboratory projects, and solutions to exercises.

Digital Design, Global Edition - M. Morris Mano 2018-05-24

For introductory courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. A clear and accessible approach to teaching the basic tools,

concepts, and applications of digital design. A modern update to a classic, authoritative text, *Digital Design, 6th Edition* teaches the fundamental concepts of digital design in a clear, accessible manner. The text presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications. Like the previous editions, this edition of *Digital Design* supports a multimodal approach to learning, with a focus on digital design, regardless of language. Recognising that three public-domain languages—Verilog, VHDL, and SystemVerilog—all play a role in design flows for today's digital devices, the 6th Edition offers parallel tracks of presentation of multiple languages, but allows concentration on a single, chosen language.

Digital Design - M. Morris Mano 2013

For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. *Digital Design, fifth edition* is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Digital System Design with FPGA:

Implementation Using Verilog and VHDL - Cem Unsalan 2017-07-14

Master FPGA digital system design and implementation with Verilog and VHDL This practical guide explores the development and deployment of FPGA-based digital systems using the two most popular hardware description languages, Verilog and VHDL. Written by a pair of digital circuit design experts, the book offers a solid grounding in FPGA principles, practices, and applications and provides an overview of more complex topics. Important concepts are demonstrated through real-world examples, ready-to-run code, and inexpensive start-to-finish projects for both the Basys and Arty boards.

Digital System Design with FPGA:

Implementation Using Verilog and VHDL covers:

- Field programmable gate array fundamentals
- Basys and Arty FPGA boards
- The Vivado design suite
- Verilog and VHDL
- Data types and operators
- Combinational circuits and circuit blocks
- Data storage elements and

sequential circuits • Soft-core microcontroller and digital interfacing • Advanced FPGA applications • The future of FPGA

Introduction to Logic Circuits & Logic

Design with Verilog - Brock J. LaMeres

2017-04-17

This textbook for courses in Digital Systems Design introduces students to the fundamental hardware used in modern computers. Coverage includes both the classical approach to digital system design (i.e., pen and paper) in addition to the modern hardware description language (HDL) design approach (computer-based). Using this textbook enables readers to design digital systems using the modern HDL approach, but they have a broad foundation of knowledge of the underlying hardware and theory of their designs. This book is designed to match the way the material is actually taught in the classroom. Topics are presented in a manner which builds foundational knowledge before moving onto advanced topics. The author has designed the presentation with learning Goals and assessment at its core. Each section addresses a specific learning outcome that the student should be able to “do” after its completion. The concept checks and exercise problems provide a rich set of assessment tools to measure student performance on each outcome.

Digital Logic - M. Rafiquzzaman 2019-09-11

DIGITAL LOGIC

The Art of Digital Design - Franklin P. Prosser
1987

Hardware -- Logic Design.

Digital Design for Print and Web - John

DiMarco 2011-09-19

The all-inclusive guide—from theory to practice—for print and Web design Any well-conceived print or Web design features the dynamic interplay between visual artistry and technical skill. It becomes important, therefore, for the designer to cultivate an aesthetic eye as well as develop a high degree of computer savvy. By combining basic theory with hands-on technique, *Digital Design for Print and Web* takes the unique approach of uniting two subjects traditionally approached separately into one complete volume. As a result, you will gain a

clearer understanding of the entire creative process, from project management to working with graphics to designing for print and, ultimately, the Web. In this book, you'll find: Full-color text and illustrated, step-by-step instruction supported by more than 75 video tutorials Coverage of professional software including the Adobe Creative Suite A wide variety of inspirational images from well-known designers Online full-length project assignments from entry level to advanced An ideal resource for design students or practitioners, *Digital Design for Print and Web* will show you to how to create more effectively and guide you on the path toward digital design mastery.

Introduction to Digital Electronics - J. Crowe

1998-03-27

This text takes the student from the very basics of digital electronics to an introduction of state-of-the-art techniques used in the field. It is ideal for any engineering or science student who wishes to study the subject from its basic principles as well as serving as a guide to more advanced topics for readers already familiar with the subject. The coverage is sufficiently in-depth to allow the reader to progress smoothly onto higher level texts.

An Introduction to Digital Computer Design - V.

Rajaraman 1983

Digital Design Essentials - Rajesh Lal 2013-06

Through hundreds of photographs, this dynamic guide demonstrates how to expertly apply design principles in a variety of devices, desktops, web pages, mobile and other touchscreen devices.

High-speed Digital Design - Howard W. Johnson

1993-01-01

Focused on the field of knowledge lying between digital and analog circuit theory, this new text will help engineers working with digital systems shorten their product development cycles and help fix their latest design problems. The scope of the material covered includes signal reflection, crosstalk, and noise problems which occur in high speed digital machines (above 10 megahertz). This volume will be of practical use to digital logic designers, staff and senior communications scientists, and all those interested in digital design.