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featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages synthesis and verification this book focuses on the ever evolving applications of basic computer design concepts with strong connections to real world technology digital computer design logic circuitry and synthesis focuses on the logical structure electronic realization and application of digital information processors the manuscript first offers information on numerical symbols fundamentals of computing aids quantization representation of numbers in an electronic digital computer and computer applications the text then ponders on the nature of automatic computation and boolean algebra discussions focus on the advantages of a boolean algebraic description of a digital computer clock pulse generators and timing circuits sequential switching networks elements of information processing systems and types of digital computers and automatic sequencing methods the book elaborates on circuit descriptions of switching and storage elements and large capacity storage systems topics include static magnetic storage dynamic delay line storage cathode ray storage vacuum tube systems of circuit logic and magnetic core systems of circuit logic the publication also examines the system design of gp computers digital differential analyzer and the detection and correction of errors the text is a valuable source of data for mathematicians and engineers interested in digital computer design for introductory courses in computer engineering or computer hardware design in departments of electrical and computer engineering computer science electrical engineering or electrical engineering technology also appropriate for a digital systems design course covers the fundamentals of hardware and computer design with exceptional breadth and in a very accessible style using abundant examples to build understanding and problem solving skills reflects the current industry trend of designing with hardware description languages hdl instead of logic diagrams provides optional introductory treatments of both vhdl and verilog languages with additional coverage available on the companion website for more substantial treatment gives the instructor maximum flexibility in hdl coverage by covering broadly based fundamentals provides an excellent foundation and perspective for more advanced courses in digital hardware design and computer architecture and organization preparation this is the ebook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book for courses in logic and computer design understanding logic and computer design for all audiences logic and computer design fundamentals is a thoroughly up to date text that makes logic design digital system design and computer design available to readers of all levels the fifth edition brings this widely recognized source to modern standards by ensuring that all information is relevant and contemporary the material focuses on industry trends and successfully bridges the gap between the much higher levels of abstraction people in the field must work with today than in the past broadly covering logic and computer design logic and computer design fundamentals is a flexibly organized source material that allows

instructors to tailor its use to a wide range of audiences the book provides a bottom up approach to understanding how a computer works and how to use computing to solve real world problems it covers the basics of digital logic through the lens of computer organization and programming the reader should be able to design his or her own computer from the ground up at the end of the book logic simulation with verilog is used throughout assembly languages are introduced and discussed and the fundamentals of computer architecture and embedded systems are touched upon all in a cohesive design driven framework suitable for class or self study introduction to logic and computer design by alan marcovitz takes the successful formula realized in the author s previous books and makes it even better with the inclusion of several chapters on computer design marcovitz now offers everything a fundamentals oriented logic design course might include further this new book is supported by an aris site and a host of new media supplements to make both the instructor s and the student s job easier as with marcovitz s previous books the clear presentation of concepts and well paced writing style make introduction to logic and computer desi for courses in logic and computer design understanding logic and computer design for all audiences logic and computer design fundamentals is a thoroughly up to date text that makes logic design digital system design and computer design available to students of all levels the fifth edition brings this widely recognised source to modern standards by ensuring that all information is relevant and contemporary the material focuses on industry trends and successfully bridges the gap between the much higher levels of abstraction students in the field must work with today than in the past broadly covering logic and computer design logic and computer design fundamentals is a flexibly organised source material that allows instructors to tailor its use to a wide range of student audiences the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps upon purchase you ll gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed for one to two semester computer science and engineering courses in logic and digital design featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages synthesis and verification this book focuses on the ever evolving applications of basic computer design concepts with strong connections to real world technology logic design a review of theory and practice describes computer design focusing on the theoretical and practical relationships of sequential machines this book reviews the major technologies that make the computer particularly the switching circuit design involving vacuum tubes discrete transistors and integrated circuits the switching theory associated in the logic design of sequential machine models and synthesis techniques lead to understanding of constraints due to stray delays input change restrictions and memory element operation this text also describes the logic design processes including the use of flow charts design languages simulations and system timing three aspects needed prior to the design phase that should be considered by the programmer are data flow the micro operations and their

sequencing and the timing machine cycle or logic the significance between theoretical and mathematical models can then be determined through fault detection masking digital simulation and test generation this book can be beneficial for computer engineering instructors and advanced students in computer science this monograph places design in a theoretical context which applies developments in knowledge based systems logic programming and planning to design it addresses two important design issues the interpretation of designs and the process of generation this book provides the reader with the key concepts and techniques of modern digital logic design and applications this concise treatment provides essential development and explanations for both classical and modern topics the modern topics include unicode unipolar transistors copper technology flash memory hdl verilog and logic simulation software tools also covered are combinatorial logic circuits and transistor circuits it will be an essential resource for computer scientists logic circuit designers and computer engineers contenido combinational logic working with combinational logic combinational logic technologies case studies in combinational logic design sequential logic design finite state machines working with finite state machines sequential logic technologies case studies in sequential logic design the logic of architecture is the first comprehensive systematic and modern treatment of the logical foundations of design thinking it provides a detailed discussion of languages of architectural form their specification by means of formal grammars their interpretation and their role in structuring design thinking supplemented by over 200 original illustrations the logic of architecture reexamines central issues of design theory in the light of recent advances in artificial intelligence cognitive science and the theory of computation the richness of this approach permits sympathetic and constructive analysis of positions developed by a wide range of theorists and philosophers from socrates to the present mitchell first considers how buildings may be described in words and shows how such descriptions may be formalized by the notation of first order predicate calculus this leads to the idea of a critical language for speaking about the qualities of buildings turning to the question of representation by drawings and scale models mitchell then develops the notion of design worlds that provide graphic tokens which can be manipulated according to certain grammatical rules in particular he shows how domains of graphic compositions possible in a design world may be specified by formal shape grammars design worlds and critical languages are connected by showing how such languages may be interpreted in design worlds design processes are then viewed as computations in a design world with the objective of satisfying predicates of form and function stated in a critical language william j mitchell is g ware and edythe m travelstead professor of architecture at harvarduniversity and a founder of the computer aided design group in los angeles among the books he has authored or coauthored are the poetics of gardens the art of computer graphics programming and computer aided architectural design textbook 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 market desc undergraduate courses on digital logic design computer architecture and microprocessors graduate students and practicing microprocessor system designers in industry special features while most texts either focus on computer design or digital logic and digital systems this book includes both areas making it a unique addition to existing literature the author has an extensive background in computers and has published numerous books on the subject he is undoubtedly one of the leading authorities in this field this book covers simple topics such as number system and boolean algebra to advanced topics such as assembly language programming and microprocessor based system design the accompanying cd contains a step by step procedure for installing and using altera quartus ii software for synthesizing verilog and vhdl descriptions screen shots of the waveforms and tabular forms illustrating the simulation results are also provided in the cd the cd also contains a step by step procedure for installing and using masm 6 11 8086 and 68asmsim 68000 screen shots verifying correct operations of several assembly language programs via simulation using test data are also provided in the cd about the book this book covers all basic concepts of computer engineering and science from digital logic circuits to the design of a complete microcomputer system in a methodical and basic manner its intention is to present a clear understanding of the principles and basic tools required to design typical digital systems such as microcomputers the book covers the latest version of altera software called quartus ii it provides a simplified introduction to vhdl along with a step by step procedure with tutorials on a cd it is ideal for an introductory course in vhdl containing digital logic and microprocessors along with both vhdl and verilog the material in the text is divided into three sections fundamentals of digital logic circuits and design microprocessor microcomputer design overview of 16 32 and 64 bit microprocessors manufactured by intel and motorola logic and structured design is an introduction to the logic of data processing it is intended for those who plan but have not yet begun to study programming particularly those with little background in mathematics or logic the author avoids reference to specific programming languages isolating questions of logic from questions of syntax this approach enables readers to concentrate on the logic of problems the book walks readers through logical problems common to a variety of programming languages and provides the background in logic that many programming texts and courses assume updated with modern coverage a streamlined presentation and excellent companion software this seventh edition of fundamentals of logic design achieves yet again an unmatched balance between theory and application authors charles h roth jr and larry l kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory divided into 20 easy to grasp study units the book covers such fundamental concepts as boolean algebra logic gates design flip flops and state machines by combining flip flops with networks of logic gates students will learn to design counters adders sequence detectors and simple digital systems after covering the basics this text presents modern design

techniques using programmable logic devices and the vhdl hardware description language updated with modern coverage and a streamlined presentation this sixth edition achieves yet again an unmatched balance between theory and application authors charles h roth jr and larry l kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory divided into 20 easy to grasp study units the book covers such fundamental concepts as boolean algebra logic gates design flip flops and state machines by combining flip flops with networks of logic gates students will learn to design counters adders sequence detectors and simple digital systems after covering the basics this text presents modern design techniques using programmable logic devices and the vhdl hardware description language important notice media content referenced within the product description or the product text may not be available in the ebook version fundamentals of digital logic and microcomputer design has long been hailed for its clear and simple presentation of the principles and basic tools required to design typical digital systems such as microcomputers in this fifth edition the author focuses on computer design at three levels the device level the logic level and the system level basic topics are covered such as number systems and boolean algebra combinational and sequential logic design as well as more advanced subjects such as assembly language programming and microprocessor based system design numerous examples are provided throughout the text coverage includes digital circuits at the gate and flip flop levels analysis and design of combinational and sequential circuits microcomputer organization architecture and programming concepts design of computer instruction sets cpu memory and i o system design features associated with popular microprocessors from intel and motorola future plans in microprocessor development an instructor's manual available upon request additionally the accompanying cd rom contains step by step procedures for installing and using altera quartus ii software masm 6 11 8086 and 68asm sim 68000 provides valuable simulation results via screen shots fundamentals of digital logic and microcomputer design is an essential reference that will provide you with the fundamental tools you need to design typical digital systems 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 master the principles of logic design with the exceptional balance of theory and application found in roth kinney john s fundamentals of logic design enhanced 7th edition this edition introduces you to today's latest advances the authors have carefully developed a clear presentation that introduces the fundamental concepts of logic design without overwhelming you with the mathematics of switching theory twenty engaging easy to follow study units present basic concepts such as boolean algebra logic gate design flip flops and state machines you learn to design counters adders sequence detectors and simple digital systems after mastering the basics you progress to modern design techniques using programmable logic devices as well as vhdl hardware description language hardware logic design this is a sound fundamental book on computer organization and architecture hardware and logic design 68030 68040 386 486.

cache and virtual memory many other modern topics and latest advances in technology are covered

Logic and Computer Design Fundamentals, Global Edition

2015-09-23

featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages synthesis and verification this book focuses on the ever evolving applications of basic computer design concepts with strong connections to real world technology

Digital Logic and Computer Design

1979

digital computer design logic circuitry and synthesis focuses on the logical structure electronic realization and application of digital information processors the manuscript first offers information on numerical symbols fundamentals of computing aids quantization representation of numbers in an electronic digital computer and computer applications the text then ponders on the nature of automatic computation and boolean algebra discussions focus on the advantages of a boolean algebraic description of a digital computer clock pulse generators and timing circuits sequential switching networks elements of information processing systems and types of digital computers and automatic sequencing methods the book elaborates on circuit descriptions of switching and storage elements and large capacity storage systems topics include static magnetic storage dynamic delay line storage cathode ray storage vacuum tube systems of circuit logic and magnetic core systems of circuit logic the publication also examines the system design of gp computers digital differential analyzer and the detection and correction of errors the text is a valuable source of data for mathematicians and engineers interested in digital computer design

Introduction to Logic and Computer Design

2008

for introductory courses in computer engineering or computer hardware design in departments of electrical and computer engineering computer science electrical engineering or electrical engineering technology also appropriate for a digital systems design course covers the fundamentals of hardware and computer design with exceptional breadth and in a very accessible style using abundant examples to build understanding and problem solving skills reflects the current industry trend of designing with hardware description languages hdl instead of logic diagrams provides optional introductory treatments of both vhdl and verilog languages with additional coverage available on the companion website for more substantial treatment gives the instructor maximum flexibility in hdl coverage by covering broadly based fundamentals provides an excellent foundation and perspective for

more advanced courses in digital hardware design and computer architecture and organization preparation

Digital Logic and Computer Design

1992

this is the ebook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book for courses in logic and computer design understanding logic and computer design for all audiences logic and computer design fundamentals is a thoroughly up to date text that makes logic design digital system design and computer design available to readers of all levels the fifth edition brings this widely recognized source to modern standards by ensuring that all information is relevant and contemporary the material focuses on industry trends and successfully bridges the gap between the much higher levels of abstraction people in the field must work with today than in the past broadly covering logic and computer design logic and computer design fundamentals is a flexibly organized source material that allows instructors to tailor its use to a wide range of audiences

Digital Computer Design

2014-05-12

the book provides a bottom up approach to understanding how a computer works and how to use computing to solve real world problems it covers the basics of digital logic through the lens of computer organization and programming the reader should be able to design his or her own computer from the ground up at the end of the book logic simulation with verilog is used throughout assembly languages are introduced and discussed and the fundamentals of computer architecture and embedded systems are touched upon all in a cohesive design driven framework suitable for class or self study

Logic and Computer Design Fundamentals

2003

introduction to logic and computer design by alan marcovitz takes the successful formula realized in the author s previous books and makes it even better with the inclusion of several chapters on computer design marcovitz now offers everything a fundamentals oriented logic design course might include further this new book is supported by an aris site and a host of new media supplements to make both the instructor s and the student s job easier as with marcovitz s previous books the clear presentation of concepts and well paced writing style make introduction to logic and computer desi

Logic and Computer Design Fundamentals and Xilinx 4.2 Package

2002-07

for courses in logic and computer design understanding logic and computer design for all audiences logic and computer design fundamentals is a thoroughly up to date text that makes logic design digital system design and computer design available to students of all levels the fifth edition brings this widely recognised source to modern standards by ensuring that all information is relevant and contemporary the material focuses on industry trends and successfully bridges the gap between the much higher levels of abstraction students in the field must work with today than in the past broadly covering logic and computer design logic and computer design fundamentals is a flexibly organised source material that allows instructors to tailor its use to a wide range of student audiences the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps upon purchase you ll gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed

Logic & Computer Design Fundamentals

2015-02-10

for one to two semester computer science and engineering courses in logic and digital design featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages synthesis and verification this book focuses on the ever evolving applications of basic computer design concepts with strong connections to real world technology

Digital Logic & Computer Design

2004-02-01

logic design a review of theory and practice describes computer design focusing on the theoretical and practical relationships of sequential machines this book reviews the major technologies that make the computer particularly the switching circuit design involving vacuum tubes discrete transistors and integrated circuits the switching theory associated in the logic design of sequential machine models and synthesis techniques lead to understanding of constraints due to stray delays input change restrictions and memory element operation this text also describes the logic design processes including the use of flow charts design languages simulations and system timing three aspects needed prior to the design phase that should be

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considered by the programmer are data flow the micro operations and their sequencing and the timing machine cycle or logic the significance between theoretical and mathematical models can then be determined through fault detection masking digital simulation and test generation this book can be beneficial for computer engineering instructors and advanced students in computer science

Digital Computer Design

1963

this monograph places design in a theoretical context which applies developments in knowledge based systems logic programming and planning to design it addresses two important design issues the interpretation of designs and the process of generation

Digital Logic for Computing

2017-05-26

this book provides the reader with the key concepts and techniques of modern digital logic design and applications this concise treatment provides essential development and explanations for both classical and modern topics the modern topics include unicode unipolar transistors copper technology flash memory hdl verilog and logic simulation software tools also covered are combinatorial logic circuits and transistor circuits it will be an essential resource for computer scientists logic circuit designers and computer engineers

Introduction to Logic and Computer Design

2007

contenido combinational logic working with combinational logic combinational logic technologies case studies in combinational logic design sequential logic design finite state machines working with finite state machines sequential logic technologies case studies in sequential logic design

Logic and computer design fundamentals

1997

the logic of architecture is the first comprehensive systematic and modern treatment of the logical foundations of design thinking it provides a detailed discussion of languages of architectural form their specification by means of formal grammars their interpretation and their role in structuring design thinking supplemented by over 200 original illustrations the logic of architecture reexamines central issues of design theory in the light of recent advances in artificial intelligence cognitive science and the theory of computation the richness of this

approach permits sympathetic and constructive analysis of positions developed by a wide range of theorists and philosophers from socrates to the present mitchell first considers how buildings may be described in words and shows how such descriptions may be formalized by the notation of first order predicate calculus this leads to the idea of a critical language for speaking about the qualities of buildings turning to the question of representation by drawings and scale models mitchell then develops the notion of design worlds that provide graphic tokens which can be manipulated according to certain grammatical rules in particular he shows how domains of graphic compositions possible in a design world may be specified by formal shape grammars design worlds and critical languages are connected by showing how such languages may be interpreted in design worlds design processes are then viewed as computations in a design world with the objective of satisfying predicates of form and function stated in a critical language william j mitchell is g ware and edythe m travelstead professor of architecture at harvarduniversity and a founder of the computer aided design group in los angeles among the books he has authored or coauthored are the poetics of gardens the art of computer graphics programming and computer aided architectural design

Logic and Computer Design Fundamentals, Global Edition

2016-09-12

textbook

Logic and Computer Design Fundamentals

2013

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

Logic and Computer Design Fundamentals: Pearson New International Edition

2013-08-29

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market desc undergraduate courses on digital logic design computer architecture and microprocessors graduate students and practicing microprocessor system designers in industry special features while most texts either focus on computer design or digital logic and digital systems this book includes both areas making it a unique addition to existing literature the author has an extensive background in computers and has published numerous books on the subject he is undoubtedly one of the leading authorities in this field this book covers simple topics such as number system and boolean algebra to advanced topics such as assembly language programming and microprocessor based system design the accompanying cd contains a step by step procedure for installing and using altera quartus ii software for synthesizing verilog and vhdl descriptions screen shots of the waveforms and tabular forms illustrating the simulation results are also provided in the cd the cd also contains a step by step procedure for installing and using masm 6 11 8086 and 68asmsim 68000 screen shots verifying correct operations of several assembly language programs via simulation using test data are also provided in the cd about the book this book covers all basic concepts of computer engineering and science from digital logic circuits to the design of a complete microcomputer system in a methodical and basic manner its intention is to present a clear understanding of the principles and basic tools required to design typical digital systems such as microcomputers the book covers the latest version of altera software called quartus ii it provides a simplified introduction to vhdl along with a step by step procedure with tutorials on a cd it is ideal for an introductory course in vhdl containing digital logic and microprocessors along with both vhdl and verilog the material in the text is divided into three sections fundamentals of digital logic circuits and design microprocessor microcomputer design overview of 16 32 and 64 bit microprocessors manufactured by intel and motorola

Logic Design

2012-12-02

logic and structured design is an introduction to the logic of data processing it is intended for those who plan but have not yet begun to study programming particularly those with little background in mathematics or logic the author avoids reference to specific programming languages isolating questions of logic from questions of syntax this approach enables readers to concentrate on the logic of problems the book walks readers through logical problems common to a variety of programming languages and provides the background in logic that many programming texts and courses assume

Logic Models of Design

1988

updated with modern coverage a streamlined presentation and excellent companion software this seventh edition of fundamentals of logic design achieves yet again an unmatched balance between theory and application authors charles h

roth jr and larry l kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory divided into 20 easy to grasp study units the book covers such fundamental concepts as boolean algebra logic gates design flip flops and state machines by combining flip flops with networks of logic gates students will learn to design counters adders sequence detectors and simple digital systems after covering the basics this text presents modern design techniques using programmable logic devices and the vhdl hardware description language

Computer Logic

2012-12-06

updated with modern coverage and a streamlined presentation this sixth edition achieves yet again an unmatched balance between theory and application authors charles h roth jr and larry l kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory divided into 20 easy to grasp study units the book covers such fundamental concepts as boolean algebra logic gates design flip flops and state machines by combining flip flops with networks of logic gates students will learn to design counters adders sequence detectors and simple digital systems after covering the basics this text presents modern design techniques using programmable logic devices and the vhdl hardware description language important notice media content referenced within the product description or the product text may not be available in the ebook version

Digital Computer Design Fundamental

1962

fundamentals of digital logic and microcomputer design has long been hailed for its clear and simple presentation of the principles and basic tools required to design typical digital systems such as microcomputers in this fifth edition the author focuses on computer design at three levels the device level the logic level and the system level basic topics are covered such as number systems and boolean algebra combinational and sequential logic design as well as more advanced subjects such as assembly language programming and microprocessor based system design numerous examples are provided throughout the text coverage includes digital circuits at the gate and flip flop levels analysis and design of combinational and sequential circuits microcomputer organization architecture and programming concepts design of computer instruction sets cpu memory and i o system design features associated with popular microprocessors from intel and motorola future plans in microprocessor development an instructor's manual available upon request additionally the accompanying cd rom contains step by step procedures for installing and using altera quartus ii software masm 6 11 8086 and 68asm sim 68000 provides valuable simulation results via screen shots

fundamentals of digital logic and microcomputer design is an essential reference that will provide you with the fundamental tools you need to design typical digital systems

Contemporary Logic Design

2005

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

Logic and Computer Design Fundamentals: Documentation and utilities, F. 1.5

2000

master the principles of logic design with the exceptional balance of theory and application found in roth kinney john s fundamentals of logic design enhanced 7th edition this edition introduces you to today s latest advances the authors have carefully developed a clear presentation that introduces the fundamental concepts of logic design without overwhelming you with the mathematics of switching theory twenty engaging easy to follow study units present basic concepts such as boolean algebra logic gate design flip flops and state machines you learn to design counters adders sequence detectors and simple digital systems after mastering the basics you progress to modern design techniques using programmable logic devices as well as vhdl hardware description language

Computer Logic Design

1972

hardware logic design

The Logic of Architecture

1990

this is a sound fundamental book on computer organization and architecture hardware and logic design 68030 68040 386 486 cache and virtual memory many other modern topics and latest advances in technology are covered

Introduction to Digital Logic Design

1993

Computer Principles and Design in Verilog HDL

2015-06-30

Logic and Computer Design Fundamentals

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Experiments in Logic and Computer Design

1984

FUNDAMENTALS OF DIGITAL LOGIC AND MICROCOMPUTER DESIGN, 5TH ED (With CD)

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Logic and Structured Design for Computer Programmers

2000

Logic and Computer Design Fundamentals, Updated Edition with Principles Digital Design

2002-09-17

Fundamentals of Logic Design

2013-03-01

Logic & Computer Design Fundamentals, 2/ed.

2005

Fundamentals of Logic Design

2009-03-13

Fundamentals of Digital Logic and Microcomputer Design

2005-07-08

Introduction to Logic Design

2008-01-25

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Structured Logic Design with VHDL

1993

Computer Architecture and Logic Design

1991

Logic Design of Digital Systems

1978

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