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Design Fifth Edition

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Only Doyle's C# PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, 4E, International Edition brilliantly balances today's most important programming principles and concepts with the latest insights into C#. This perfect introductory book highlights the latest Visual Studio® 2012 and C# 4.0 with a unique, principles-based approach to give

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readers a deep understanding of programming. You'll find just the right amount of detail to create an important foundation in programming. This edition's straightforward approach and understandable vocabulary make it easier for readers to grasp new programming concepts without distraction. The book introduces a variety of fundamental programming concepts, from data types and expressions to arrays and collections, all using the popular C# language. New programming exercises and new numbered

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examples throughout this edition reflect the latest updates in Visual Studio® 2012, while learning objectives, case studies and Coding Standards summaries in each chapter ensure mastery. While the book assumes no prior programming knowledge, coverage extends beyond traditional books to cover new advanced topics, such as portable class libraries used to create applications for Windows® Phone and other platforms.

For sophomore courses on digital design in an Electrical Engineering, Computer

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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.

Starting Out with Programming Logic and Design, Third Edition, is a language-independent introductory programming book

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that orients students to programming concepts and logic without assuming any previous programming experience. In the successful, accessible style of Tony Gaddis' best-selling texts, useful examples and detail-oriented explanations allow students to become comfortable with fundamental concepts and logical thought processes used in programming without the complication of language syntax. Students gain confidence in their program design skills to transition into more comprehensive programming courses. The

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book is ideal for a programming logic course taught as a precursor to a language-specific introductory programming course, or for the first part of an introductory programming course.

The new RISC-V Edition of Computer Organization and Design features the RISC-V open source instruction set architecture, the first open source architecture designed to be used in modern computing environments such as cloud computing, mobile devices, and other embedded systems. With the post-PC era now

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upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the x86 (cloud computing) and ARM (mobile computing devices) architectures is included. An online companion Web site provides advanced content for further study, appendices, glossary, references, and recommended reading. Features RISC-V, the

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first such architecture designed to be used in modern computing environments, such as cloud computing, mobile devices, and other embedded systems Includes relevant examples, exercises, and material highlighting the emergence of mobile computing and the cloud

Fourth International Student Edition

Graphic Design Solutions

Principles and Practices Package

Fundamentals of Hydraulic Engineering Systems

1975: January-June: Index

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Circuit Analysis

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. A highly visual, step-by-step approach to solving engineering problems with Excel. Specifically targeted at first-year engineering students, this text seeks to teach the basic Excel skills that undergraduates will use in the first few years of

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engineering courses. This book was written with the understanding that students get frustrated by multi-step procedures that illustrate only the final outcome. Ron Larsen, in his hallmark approach, provides screen images for each and every step allowing students to easily follow along as they try to perform each task.

Offering a solid introduction to the entire modeling process, A FIRST COURSE IN MATHEMATICAL MODELING, 4th

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Edition delivers an excellent balance of theory and practice, giving students hands-on experience developing and sharpening their skills in the modeling process. Throughout the book, students practice key facets of modeling, including creative and empirical model construction, model analysis, and model research. The authors apply a proven six-step problem-solving process to enhance students' problem-solving capabilities -- whatever their level. Rather than simply

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emphasizing the calculation step, the authors first ensure that students learn how to identify problems, construct or select models, and figure out what data needs to be collected. By involving students in the mathematical process as early as possible -- beginning with short projects -- the book facilitates their progressive development and confidence in mathematics and modeling. Important Notice: Media content referenced within the product description or the product

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text may not be available in the ebook version.

Used world-wide as a definitive technology curriculum, this six-volume series (Fourth Edition, 2011) is the all-in-one solution to running an effective, efficient, and fun technology program whether you re the lab specialist, IT coordinator, classroom teacher, or homeschooler. It is the choice of hundreds of school districts across the country, private schools nationwide and

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teachers around the world. Each volume includes step-by-step directions for a year's worth of projects, samples, grading rubrics, reproducibles, wall posters, teaching ideas and hundreds of online connections to access enrichment material and updates from a working technology lab. Aligned with ISTE national technology standards, the curriculum follows a tested timeline of which skill to introduce when, starting with mouse skills, keyboarding, computer

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basics, and internet/Web 2.0 tools in Kindergarten/First; MS Word, Publisher, Excel, PowerPoint, Google Earth, internet research, email and Photoshop in Second/Fifth. Each activity is integrated with classroom units in history, science, math, literature, reading, writing, critical thinking and more. Whether you're an experienced tech teacher or brand new to the job, you'll appreciate the hundreds of embedded links that enable you to stay on top of current technology thinking

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and get help from active technology teachers using the program. Extras include wall posters to explain basic concepts, suggestions for keyboarding standards, discussion of how to integrate Web 2.0 tools into the classroom curriculum and the dozens of online websites to support classroom subjects. Microelectronic Circuit Design is known for being a technically excellent text. The new edition has been revised to make the material more motivating and accessible

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to students while retaining a student-friendly approach. Jaeger has added more pedagogy and an emphasis on design through the use of design examples and design notes. Some pedagogical elements include chapter opening vignettes, chapter objectives, "Electronics in Action" boxes, a problem solving methodology, and "design note" boxes. The number of examples, including new design examples, has been increased, giving students more opportunity to see

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problems worked out. Additionally, some of the less fundamental mathematical material has been moved to the ARIS website. In addition this edition comes with a Homework Management System called ARIS, which includes 450 static problems.

Computer Organization and Design RISC-V Edition

LRFD Method

A Comprehensive Curriculum

Digital Communications

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5th Grade Technology Elements of Chemical Reaction Engineering

Graphic Design Solutions is the most comprehensive, how-to reference on graphic design and typography. Covering print and interactive media, this book examines conceiving, visualizing and composing solutions to design problems, such as branding, logos, web design, posters, book covers, advertising, and more. Excellent illustrations of historical, modern and contemporary design are integrated throughout. The Fifth Edition includes expanded and updated coverage of screen media, including mobile, tablet, desktop web, and motion as well as new interviews, showcases, and case

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studies; new diagrams and illustrations; a broader investigation of creativity and concept generation; visualization and color; and an updated timeline.

Accompanying this edition, CourseMate with eBook brings concepts to life with projects, videos of designers in the field, and portfolio-building tools. Additional online-only chapters—Chapters 14 through 16—are available in PDF format on the student and instructor resource sites for this title, accessed via CengageBrain.com; search for this book, then click on the “ Free Materials ” tab. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. For introductory courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science

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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

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language.

"Microelectronic Circuit Design" is known for being a technically excellent text. The new edition has been revised to make the material more motivating and accessible to students while retaining a student-friendly approach. Jaeger has added more pedagogy and an emphasis on design through the use of design examples and design notes. Some pedagogical elements include chapter opening vignettes, chapter objectives, "Electronics in Action" boxes, a problem solving methodology, and "design note" boxes. The number of examples, including new design examples, has been increased, giving students more opportunity to see problems worked out. Additionally, some of the less fundamental mathematical material has been moved to the ARIS website.

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In addition this edition comes with a Homework Management System called ARIS, which includes 450 static problems.

Gilbert Strang's clear, direct style and detailed, intensive explanations make this textbook ideal as both a course companion and for self-study. Single variable and multivariable calculus are covered in depth. Key examples of the application of calculus to areas such as physics, engineering and economics are included in order to enhance students' understanding. New to the third edition is a chapter on the 'Highlights of calculus', which accompanies the popular video lectures by the author on MIT's OpenCourseWare. These can be accessed from math.mit.edu/~gs.

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Logic and Computer Design Fundamentals

Digital Design and Computer Architecture

Structural Steel Design

Engineering Design

Catalog of Copyright Entries. Third Series

Engineering Education

Since 1987, *Anyone Can Intubate* has been the

book for teaching intubation and related

techniques. This 5th edition has been

extensively rewritten and many new figures

have been added. -- Provided by publisher.

Digital Communications is a classic book in

the area that is designed to be used as a

senior or graduate level text. The text is

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flexible and can easily be used in a one semester course or there is enough depth to cover two semesters. Its comprehensive nature makes it a great book for students to keep for reference in their professional careers.

This all-inclusive guide delivers an outstanding introduction to the analysis and design of digital communication systems.

Includes expert coverage of new topics:

Turbocodes, Turboequalization, Antenna Arrays, Digital Cellular Systems, and

Iterative Detection. Convenient, sequential organization begins with a look at the history and classification of channel models

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and builds from there.

CIRCUIT ANALYSIS: THEORY AND PRACTICE, 5E, International Edition provides a thorough, engaging introduction to the theory, design, and analysis of electrical circuits.

Comprehensive without being overwhelming, this reader-friendly book combines a detailed exploration of key electrical principles with an innovative, practical approach to the tools and techniques of modern circuit analysis. Coverage includes topics such as direct and alternating current, capacitance, inductance, magnetism, simple transients, transformers, Fourier series, methods of

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analysis, and more. Conceptual material is supported by abundant illustrations and diagrams throughout the book, as well as hundreds of step-by-step examples, thought-provoking exercises, and hands-on activities, making it easy to master and apply even complex material. Now thoroughly updated with new and revised content, illustrations, examples, and activities, the Fifth Edition also features powerful new interactive learning resources. Nearly 200 files for use in MultiSim 11 allow you to learn in a full-featured virtual workshop, complete with switches, multimeters, oscilloscopes, signal

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generators, and more. Designed to provide the knowledge, skills, critical thinking ability, and hands-on experience you need to confidently analyze and optimize circuits, this proven book provides ideal preparation for career success in electricity, electronics, or engineering fields.

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.

Anyone Can Intubate

Digital Design

With an Introduction to the Verilog HDL

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Games of Strategy

Calculus

Introduction to Excel

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

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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

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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

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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,

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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.

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.

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Suitable for a one- or two-semester undergraduate or beginning graduate course in computer science and computer engineering, Computer Organization, Design, and Architecture, Fifth Edition presents the operating principles, capabilities, and limitations of digital computers to enable the development of complex yet efficient systems. With 11 new sections and four revised sections, this edition takes students through a solid, up-to-date exploration of single- and multiple-processor systems, embedded

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architectures, and performance evaluation. See What's New in the Fifth Edition Expanded coverage of embedded systems, mobile processors, and cloud computing Material for the "Architecture and Organization" part of the 2013 IEEE/ACM Draft Curricula for Computer Science and Engineering Updated commercial machine architecture examples The backbone of the book is a description of the complete design of a simple but complete hypothetical computer. The author then details the architectural features of

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contemporary computer systems (selected from Intel, MIPS, ARM, Motorola, Cray and various microcontrollers, etc.) as enhancements to the structure of the simple computer. He also introduces performance enhancements and advanced architectures including networks, distributed systems, GRIDs, and cloud computing. Computer organization deals with providing just enough details on the operation of the computer system for sophisticated users and programmers. Often, books on digital systems'

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architecture fall into four categories: logic design, computer organization, hardware design, and system architecture. This book captures the important attributes of these four categories to present a comprehensive text that includes pertinent hardware, software, and system aspects.

This leading text for symbolic or formal logic courses presents all techniques and concepts with clear, comprehensive explanations, and includes a wealth of carefully constructed examples. Its

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flexible organization (with all chapters complete and self-contained) allows instructors the freedom to cover the topics they want in the order they choose.

ANALYSIS AND DESIGN OF ANALOG INTEGRATED CIRCUITS, 4TH ED

The Logic Book

Design of Machinery

Applied Statistics 3rd Edition Just Ask

Edition with Student Workbook Set

Traffic Engineering

Fundamentals of Hydraulic Engineering Systems, Fourth

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Edition is a very useful reference for practicing engineers who want to review basic principles and their applications in hydraulic engineering systems. This fundamental treatment of engineering hydraulics balances theory with practical design solutions to common engineering problems. The author examines the most common topics in hydraulics, including hydrostatics, pipe flow, pipelines, pipe networks, pumps, open channel flow, hydraulic structures, water measurement devices, and hydraulic similitude and model studies. Chapters dedicated to groundwater, deterministic hydrology, and statistical hydrology make this text ideal for courses designed to cover hydraulics

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and hydrology in one semester.

Digital Design With an Introduction to the Verilog HDL
Pearson Academic

"The fourth edition of Elements of Chemical Reaction Engineering is a completely revised version of the book. It combines authoritative coverage of the principles of chemical reaction engineering with an unsurpassed focus on critical thinking and creative problem solving, employing open-ended questions and stressing the Socratic method. Clear and organized, it integrates text, visuals, and computer simulations to help readers solve even the most challenging problems through reasoning, rather than by memorizing equations."--BOOK JACKET.

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The latest edition of Juvinall/Marshek's Fundamentals of Machine Component Design focuses on sound problem solving strategies and skills needed to navigate through large amounts of information. Revisions in the text include coverage of Fatigue in addition to a continued concentration on the fundamentals of component design. Several other new features include new learning objectives added at the beginning of all chapters; updated end-of-chapter problems, the elimination of weak problems and addition of new problems; updated applications for currency and relevance and new ones where appropriate; new system analysis problems and examples; improved sections dealing with Fatigue;

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expanded coverage of failure theory; and updated references.

The Hardware/Software Interface

Starting Out with Programming Logic and Design

Theory and Practice

The Hardware Software Interface

Computer Organization and Design

Fundamentals of Logic Design, Enhanced Edition, Loose-Leaf Version

Market_Desc: · Electrical Engineers· Computer Engineers Special

Features: · The new edition features coverage of cutting edge

topics--more advanced CMOS device electronics to include short-

channel effects, weak inversion and impact ionization· Coverage of

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state-of-the-art IC processes shows how modern integrated circuits are fabricated, including recent issues like heterojunction bipolar transistors, copper interconnect and low permittivity dielectric materials. Comprehensive and unified treatment of bipolar and CMOS circuits helps readers design real-world amplifiers in silicon.

About The Book: The text provides a comprehensive treatment of analog integrated circuit analysis and design starting from the basics and through current industrial practices. The authors combine bipolar, CMOS and BiCMOS analog integrated-circuit design into a unified treatment that stresses their commonalities and highlights their differences. The book provides the reader with valuable insights into the relative strengths and weaknesses of these important technologies.

CD-ROM contains: Seven author-written programs. -- Examples

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and figures. -- Problem solutions. -- TKSolver Files. -- Working Model Files.

Foundations of Algorithms, Fifth Edition offers a well-balanced presentation of algorithm design, complexity analysis of algorithms, and computational complexity. Ideal for any computer science students with a background in college algebra and discrete structures, the text presents mathematical concepts using standard English and simple notation to maximize accessibility and user-friendliness. Concrete examples, appendices reviewing essential mathematical concepts, and a student-focused approach reinforce theoretical explanations and promote learning and retention. C++ and Java pseudocode help students better understand complex algorithms. A chapter on numerical algorithms includes a review of basic number theory, Euclid's Algorithm for finding the greatest

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common divisor, a review of modular arithmetic, an algorithm for solving modular linear equations, an algorithm for computing modular powers, and the new polynomial-time algorithm for determining whether a number is prime. The revised and updated Fifth Edition features an all-new chapter on genetic algorithms and genetic programming, including approximate solutions to the traveling salesperson problem, an algorithm for an artificial ant that navigates along a trail of food, and an application to financial trading. With fully updated exercises and examples throughout and improved instructor resources including complete solutions, an Instructor's Manual and PowerPoint lecture outlines, Foundations of Algorithms is an essential text for undergraduate and graduate courses in the design and analysis of algorithms. Key features include: The only text of its kind with a chapter on genetic

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algorithms Use of C++ and Java pseudocode to help students better understand complex algorithms No calculus background required Numerous clear and student-friendly examples throughout the text Fully updated exercises and examples throughout Improved instructor resources, including complete solutions, an Instructor's Manual, and PowerPoint lecture outlines"

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.

Foundations of Algorithms

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ARM Edition

From Problem Analysis to Program Design

Fundamentals of Machine Component Design

Data Communications and Networking

Digital Design: International Version

This unique book presents comprehensive and in-depth coverage of traffic engineering. KEY TOPICS It discusses all modern topics in traffic engineering, including design, construction, operation, maintenance, and system. For anyone involved in traffic studies, engineering, analysis, and control and

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operations.

A clear, comprehensive introduction to the study of game theory. In the fourth edition, new real-world examples and compelling end-of-chapter exercises engage students with game theory.

Featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages, synthesis and verification, this text focuses on the ever-evolving applications of basic computer design concepts.

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the undergraduate course in structural steel design using the Load and Resistance Factor Design Method (LRFD). The text also enables practicing engineers who have been trained to use the Allowable Stress Design procedure (ASD) to change easily to this more economical and realistic method for proportioning steel structures. The book comes with problem-solving software tied to chapter exercises which allows student to specify parameters for particular problems and have the computer assist them. On-screen

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information about how to use the software and the significance of various problem parameters is featured. The second edition reflects the revised steel specifications (LRFD) of the American Institute of Steel Construction.

Digital Logic and Computer Design

Digital Design, Global Edition

Microelectronic Circuit Design

Digital Design (cd) 3rd Edition

An Introduction to the Synthesis and Analysis of Mechanisms and Machines

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Machine Design: An Integrated Approach, 2/E

"Presents the fundamentals of hardware technologies, assembly language, computer arithmetic, pipelining, memory hierarchies and I/O"--

C# Programming

**A First Course in Mathematical Modeling
Computer Organization, Design, and
Architecture, Fifth Edition**