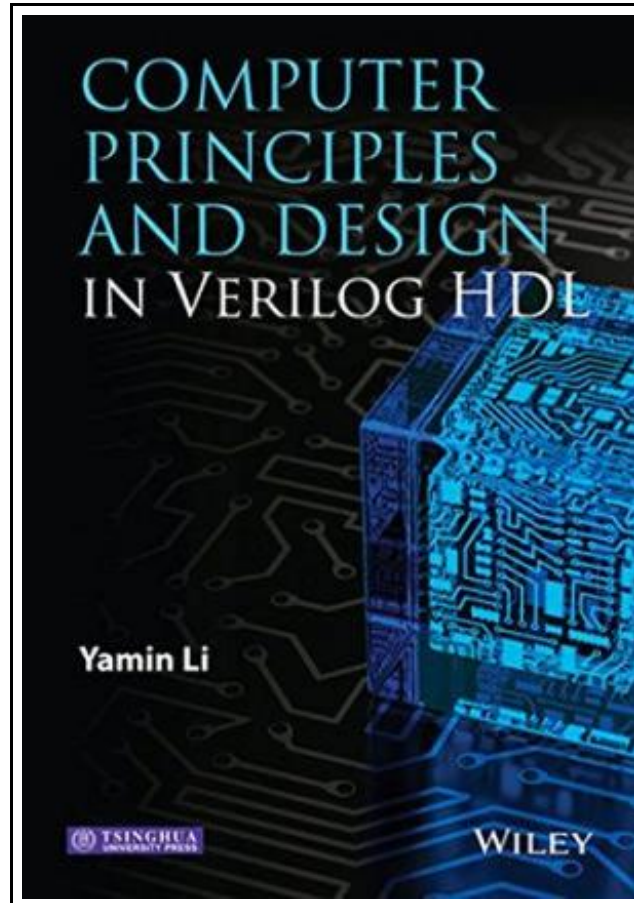


Computer Principles and Design in Verilog HDL



Filesize: 7.68 MB

Reviews

This pdf can be worth a read through, and a lot better than other. I really could comprehend everything using this written e book. I am just pleased to explain how this is actually the very best book i have read through in my individual lifestyle and can be he very best publication for actually.
(Jaclyn Price)

COMPUTER PRINCIPLES AND DESIGN IN VERILOG HDL

DOWNLOAD



To save **Computer Principles and Design in Verilog HDL** PDF, remember to access the hyperlink under and download the ebook or have access to additional information that are have conjunction with **COMPUTER PRINCIPLES AND DESIGN IN VERILOG HDL** book.

John Wiley & Sons Inc. Hardback. Book Condition: new. BRAND NEW, Computer Principles and Design in Verilog HDL, Tsinghua University Press, Yamin Li, The best way to learn what is important in computer architecture and microprocessor design is to see the logic designed in detail and simulated directly both in an explained text with the chance to duplicate those simulations, or your own ideas, yourself. This text succeeds in this regard. This book aims to teach fundamental and more advanced level Computer Architecture and Microprocessor Design, using an industrially important Hardware Description Language (HDL) to illustrate each concept. Use of an HDL will allow the student to readily simulate and adjust the operation of each design, and thus build industrially relevant skills. It introduces the computer principles, computer design, and how to use Verilog HDL (Hardware Description Language) to implement the design. The contents include: - 1) computer fundamentals and performance evaluation; 2) digital circuits and their design in Verilog HDL; 3) computer arithmetic algorithms (addition, subtraction, multiplication, division, and square root, as well as the Wallace Tree for multiplication, Newton-Raphson algorithm and Goldschmidt algorithm for division and square root) and their implementations in Verilog HDL; 4) instruction set architecture, ALU design, and register file design in Verilog HDL; 5) single-cycle CPU, multiple-cycle CPU, pipelined CPU designs in Verilog HDL; 6) interrupts, exceptions, and precise interrupts/exceptions; 7) floating-point algorithms, FPU design, and pipelined CPU/FPU design in Verilog HDL; 8) multithreading CPU design in Verilog HDL; 9) memory, cache, and virtual memory management; 10) design of CPU/FPU with cache and TLB in Verilog HDL; 11) Multi-core CPU design in Verilog HDL; 12) UART (Universal Asynchronous Receiver Transmitter), PS/2 keyboard and mouse, VGA (Video Graphics Array), I2C series bus and PCI parallel bus interface design in Verilog HDL; and 13) high-performance computers...



[Read Computer Principles and Design in Verilog HDL Online](#)



[Download PDF Computer Principles and Design in Verilog HDL](#)



[Download ePub Computer Principles and Design in Verilog HDL](#)

Relevant PDFs



[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)

Click the web link listed below to read "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)" PDF document.

[Download PDF »](#)



[PDF] Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Click the web link listed below to read "Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large" PDF document.

[Download PDF »](#)



[PDF] Read Write Inc. Phonics: Yellow Set 5 Storybook 9 Grow Your Own Radishes (Paperback)

Click the web link listed below to read "Read Write Inc. Phonics: Yellow Set 5 Storybook 9 Grow Your Own Radishes (Paperback)" PDF document.

[Download PDF »](#)



[PDF] It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em

Click the web link listed below to read "It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em" PDF document.

[Download PDF »](#)



[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)

Click the web link listed below to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)" PDF document.

[Download PDF »](#)



[PDF] Peppa Pig: School Bus Trip - Read it Yourself with Ladybird

Click the web link listed below to read "Peppa Pig: School Bus Trip - Read it Yourself with Ladybird" PDF document.

[Download PDF »](#)



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Follow the hyperlink listed below to get "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF file.

[Read eBook »](#)



[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 10 Stitch the Witch (Paperback)

Follow the hyperlink listed below to get "Read Write Inc. Phonics: Green Set 1 Storybook 10 Stitch the Witch (Paperback)" PDF file.

[Read eBook »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 4: Wet Feet (Hardback)

Follow the hyperlink listed below to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 4: Wet Feet (Hardback)" PDF file.

[Read eBook »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)

Follow the hyperlink listed below to get "Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)" PDF file.

[Read eBook »](#)



[PDF] Read Write Inc. Phonics: Orange Set 4 Storybook 10 My Best Shirt (Paperback)

Follow the hyperlink listed below to get "Read Write Inc. Phonics: Orange Set 4 Storybook 10 My Best Shirt (Paperback)" PDF file.

[Read eBook »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Egg Fried Rice (Hardback)

Follow the hyperlink listed below to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Egg Fried Rice (Hardback)" PDF file.

[Read eBook »](#)