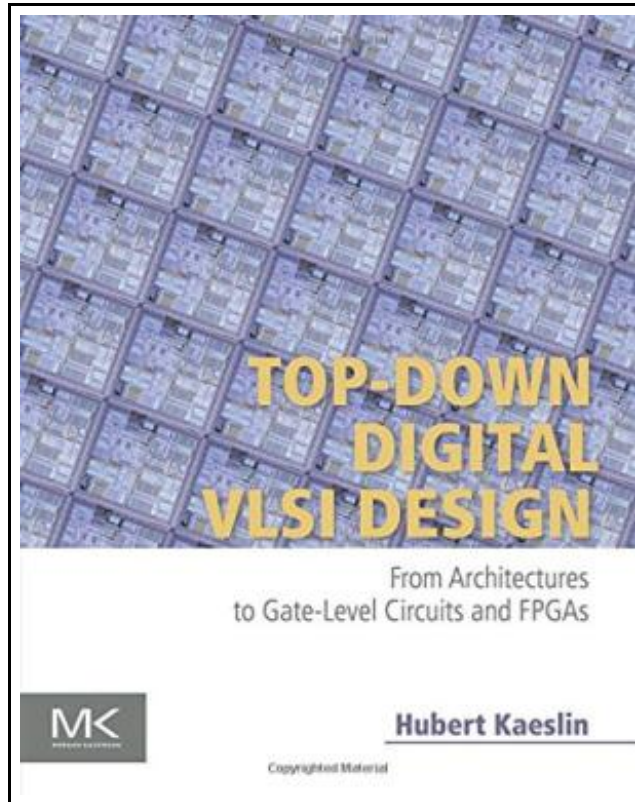


Top-Down Digital VLSI Design



Filesize: 3.01 MB

Reviews

*This ebook is great. It typically will not expense a lot of. You will not sense monotony at at any moment of your own time (that's what catalogs are for about when you question me).
(Shaniya Torphy PhD)*

TOP-DOWN DIGITAL VLSI DESIGN

[DOWNLOAD](#)

Book Condition: New. Publisher/Verlag: Morgan Kaufmann | From Architectures to Gate-Level Circuits and FPGAs | Top-Down VLSI Design: From Architectures to Gate-Level Circuits and FPGAs represents a unique approach to learning digital design. Developed from more than 20 years teaching circuit design, Doctor Kaeslin's approach follows the natural VLSI design flow and makes circuit design accessible for professionals with a background in systems engineering or digital signal processing. It begins with hardware architecture and promotes a system-level view, first considering the type of intended application and letting that guide your design choices. Doctor Kaeslin presents modern considerations for handling circuit complexity, throughput, and energy efficiency while preserving functionality. The book focuses on application-specific integrated circuits (ASICs), which along with FPGAs are increasingly used to develop products with applications in telecommunications, IT security, biomedical, automotive, and computer vision industries. Topics include field-programmable logic, algorithms, verification, modeling hardware, synchronous clocking, and more. Demonstrates a top-down approach to digital VLSI design. Provides a systematic overview of architecture optimization techniques. Features a chapter on field-programmable logic devices, their technologies and architectures. Includes checklists, hints, and warnings for various design situations. Emphasizes design flows that do not overlook important action items and which include alternative options when planning the development of microelectronic circuits. | CHAPTER 1 Introduction to Microelectronics CHAPTER 2 Field Programmable Logic CHAPTER 3 From Algorithms to Architectures CHAPTER 4 Circuit Modeling with Hardware Description Languages CHAPTER 5 Functional Verification CHAPTER 6 The Case for Synchronous Design CHAPTER 7 Clocking of Synchronous Circuits CHAPTER 8 Acquisition of Asynchronous Data APPENDIX A Elementary Digital Electronics APPENDIX B Finite State Machines | Format: Paperback | Language/Sprache: english | 1158 gr | 233x187x26 mm | 512 pp.

[Read Top-Down Digital VLSI Design Online](#)[Download PDF Top-Down Digital VLSI Design](#)

You May Also Like



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years...

[Download ePub »](#)



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a...

[Download ePub »](#)



Under the ninth-grade language - PEP - Online Classroom

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 197 Publisher: Dragon Book Pub. Date :2009-9-1. Contents: Love in the first...

[Download ePub »](#)



Dont Be Bully!

Full Circle, New Delhi, India. Softcover. Book Condition: New. Brave little Kamya protects Tia from the school bully Josh and proves to be a true friend. Don't be a bully, is a story to inspire young...

[Download ePub »](#)



Kingfisher Readers: Your Body (Level 2: Beginning to Read Alone) (Unabridged)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Your Body (Level 2: Beginning to Read Alone) (Unabridged), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the...

[Download ePub »](#)



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

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download ePub »](#)



Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 6: Ice City (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 170 x 145 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download ePub »](#)



Sly Fox and Red Hen - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd, United Kingdom, 2013. Paperback. Book Condition: New. 222 x 148 mm. Language: N/A. Brand New Book. Sly Fox is hungry and he wants to catch and eat Red Hen. Armed with his

[Download ePub »](#)



Kingfisher Readers: Weather (Level 4: Reading Alone)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Weather (Level 4: Reading Alone), Chris Oxlade, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning to

[Download ePub »](#)



The Mystery at Draculas Castle: Transylvania, Romania

Around the World in 80 Mysteries. Paperback. Book Condition: New. Paperback. 133 pages. Dimensions: 7.3in. x 5.1in. x 0.9in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery

[Download ePub »](#)