Modern vlsi design pdf

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LC CutterNumber : .65 .W65 Author : Wolf, Wayne Hendrix Title : Modern VLSI design system- on- chip design Author Statement : Wayne Wolf Publication(publisher) : Prentice Hall of India Private Limited Collation : xx, 618 p. ill. 24 cm Notes : Reprinted from c2002 published by Prentice Hall Subject : Digital integrated circuits -- Computer- aided design , Logic circuits -- Computer- aided design , Low voltage integrated circuits -- Computer- aided design DataEntry Date : 1385/11/30 All Rights Reserved To Payam Mashregh Company Fundamentals of Data Structures in C++ Computer Organization & Design: The Hardware/Software Interface, 2/e Fundamentals of Data Structures in C Fundamentals of Database Systems, 3/e (平裝版) Data Mining: Concepts and Techniques Introduction to Algorithms, 2/e FrontPage 2002 中文版實務 Digital Image Processing, 2/e(IE)(美國版ISBN:0201180758) 802.11 Wireless Networks: The Definitive Guide Computer Architecture: A Quantitative Approach, 3/e(精裝本) Operating System Concepts, 6/e (Windows XP Update) Cryptography and Network Security Principles and Practices, 3/e Reuse Methodology Manual for System-On-A-Chip Designs, 3/e (Hardcover) 鳥哥的 Linux 私房菜 Understanding the Linux Kernel, 2/e (Paperback) Embedded Software Development with eCos PHP & MySQL 完全架站攻略第二版 Red Hat Linux 9 實務應用 ASP.NET 程式設計徹底研究 Windows Server 2003 網路與 IIS 架站指南 Java 2 物件導向程式設計範例教本 STRUTS 實作手冊(Struts in Action: Building Web Applications with the Leading Java Framework) 深入淺出 JBuilder 程式設計實作(JBuilder 9.0/8.0/7.0 適用) (Charlie Calvert's Learn Jbuilder) 重構–改善既有程式的設計 Flash MX 2004 動畫搖頭玩 ActionScript 經典範例 Jump to ratings and reviewsModern VLSI Design, System-on-Chip Design, Third Edition is a comprehensive, "bottom-up" guide to the entire VLSI design process, focusing on the latest solutions for system-on-chip design. Wayne Wolf reviews every aspect of digital design, from planning and layout to fabrication and packaging -- adding up-to-the-minute coverage of key trends every practitioner must understand, from the latest HDLs to IP-based design.KEY TOPICS: Modern VLSI Design, System-on-Chip Design, Third Edition has been updated to reflect today's unprecedented requirements for chips that deliver high performance and low power. Wolf presents extensive new coverage of chip device interconnects designed to solve delay bottlenecks. He introduces advanced low-power design techniques that improve reliability and extend battery life in portable consumer electronics, covering power issues at every level of abstraction, from circuits to architecture. This edition contains significantly enhanced coverage of hardware description languages, including detailed introductions to both Verilog and HDL. Wolf also presents new guidance for architecting both IP-based and embedded processors.MARKET: For all electrical engineers involved with (or planning to become involved with) VLSI design. Get help and learn more about the design. Get full access to Modern VLSI Design: IP-Based Design, Fourth Edition and 60K+ other titles, with free 10-day trial of O'Reilly. There's also live online events, interactive content, certification prep materials, and more. The Number 1 VLSI Design Guide—Now Fully Updated for IP-Based Design and the Newest TechnologiesModern VLSI Design, Fourth Edition, offers authoritative, up-to-the-minute guidance for the entire VLSI design process—from architecture and logic design through layout and packaging. Wayne Wolf has systematically updated his award-winning book for today’s newest technologies and highest-value design techniques. Wolf introduces powerful new IP-based design techniques at all three levels: gates, subsystems, and architecture. He presents deeper coverage of logic design fundamentals, clocking and timing, and much more. No other VLSI guide presents as much up-to-date information for maximizing performance, minimizing power utilization, and achieving rapid design turnarounds. Coverage includes All-new material on IP-based designExtensive new coverage of networks-on-chipsNew coverage of using FPGA fabrics to improve design flexibilityNew material on image sensors, busses, Rent’s Rule, pipelining, and moreUpdated VLSI technology parameters reflecting the latest advancesRevised descriptions of HDLs and other VLSI design toolsAdvanced techniques for overcoming bottlenecks and reducing crosstalkLow-power design techniques for enhancing reliability and extending battery lifeTesting solutions for every level of abstraction, from gates to architectureRevamped end-of-chapter problems that fully reflect today’s VLSI design challengesWolf introduces a top-down, systematic design methodology that begins with high-level models, extends from circuits to architecture, and facilitates effective testing. Along the way, he brings together all the skills VLSI design professionals will need to create tomorrow’s state-of-the-art devices. Author : Wolf, Marilyn, 1958- Title : Modern VLSI design SubTitle : IP-based design Author Statement : Wayne Wolf Publication : Prentice Hall Upper Saddle River, NJ Collation : xxii, 627 p. : ill. ; 25 cm Series : Prentice Hall modern semiconductor design series Notes : Includes bibliographical references (p. [599]-612) and index. , Digital systems and VLSI -- Fabrication and devices -- Logic gates -- Combinational logic networks -- Sequential machines -- Subsystem design -- Floorplanning -- Architecture design -- Appendix A: A chip designer's lexicon -- Appendix B: Hardware description languages Subject : Digital integrated circuits Computer-aided design , Logic circuits Computer-aided design , Design protection , Intellectual property Added _Entries : SE Prentice Hall modern semiconductor design series All Rights Reserved To Payam Mashregh Company Electrical Engineering Books Language English File Type PDF PDF Pages 631 Views 766 views File Size & Downloads Size 5.9 MiB Downloads 166 This "Modern VLSI Design IP-Based Design Fourth Edition" book is available in PDF Formate. Downlod free this book, Learn from this free book and enhance your skills ... 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