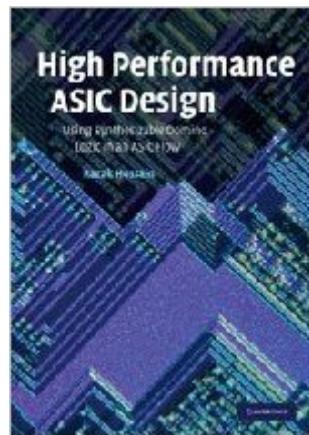


The book was found

High Performance ASIC Design: Using Synthesizable Domino Logic In An ASIC Flow



Synopsis

Presenting a methodology for using domino logic in an ASIC design flow developed over several years in an industrial context, this text covers practical issues related to the use of domino logic in an automated framework, and brings together all the knowledge needed to apply these design techniques in practice. Beginning with a discussion of how to achieve high speed in ASIC designs, subsequent chapters detail the design and characterization of standard cell compatible domino logic libraries and an advanced domino logic synthesis flow. The results achieved by using automated domino logic design techniques, including silicon measurements, are used to validate the presented solution. With design examples including the implementation of the execution unit of a microprocessor and a Viterbi decoder, this text is ideal for graduate students and researchers in electrical and computer engineering and also for circuit designers in industry.

Book Information

Hardcover: 160 pages

Publisher: Cambridge University Press; 1 edition (September 15, 2008)

Language: English

ISBN-10: 0521873347

ISBN-13: 978-0521873345

Product Dimensions: 6.8 x 0.5 x 9.7 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,189,038 in Books (See Top 100 in Books) #86 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #528 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #645 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic

[Download to continue reading...](#)

High Performance ASIC Design: Using Synthesizable Domino Logic in an ASIC Flow

High-Performance System Design: Circuits and Logic (IEEE Press Series on Microelectronic Systems) Teach'n Beginning Offensive Basketball Drills, Plays, and Games Free Flow Handbook (Series 4 Free Flow books 25) Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles Si domino mi mente, controlo mi vida: Lo que no enseñan en las escuelas. (Spanish

Edition) High Blood Pressure Cure: How To Lower Blood Pressure Naturally in 30 Days (Alternative Medicine, Natural Cures, Natural Remedies, High Blood Pressure ... Cures for High Blood Pressure, High BI) Microsoft SQL Server 2012 High-Performance T-SQL Using Window Functions (Developer Reference) Advanced Digital Logic Design Using VHDL, State Machines, and Synthesis for FPGA's Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware Description Languages Apple Pro Training Series: Logic Pro 8 and Logic Express 8 Logic: Propositional Logic (Quickstudy: Academic) Introduction to Logic: Propositional Logic, Revised Edition (3rd Edition) Critical Thinking: Decision Making with Smarter Intuition and Logic! (Critical Thinking, Decision Making, Logic, Intuition) Set Theory (Studies in Logic: Mathematical Logic and Foundations) 500 High Fiber Recipes: Fight Diabetes, High Cholesterol, High Blood Pressure, and Irritable Bowel Syndrome with Delicious Meals That Fill You Up and Help You Shed Pounds! Foods High in Fiber Cookbook: List of High Fiber Foods for a Healthy Lifestyle - Recipes for High Fiber Foods Responsive & Fast: Implementing High-Performance Responsive Design High Performance Integrated Circuit Design Refining Design for Business: Using analytics, marketing, and technology to inform customer-centric design (Graphic Design & Visual Communication Courses) Principles of Program Design: Problem-Solving with JavaScript (Logic and Design)

[Dmca](#)