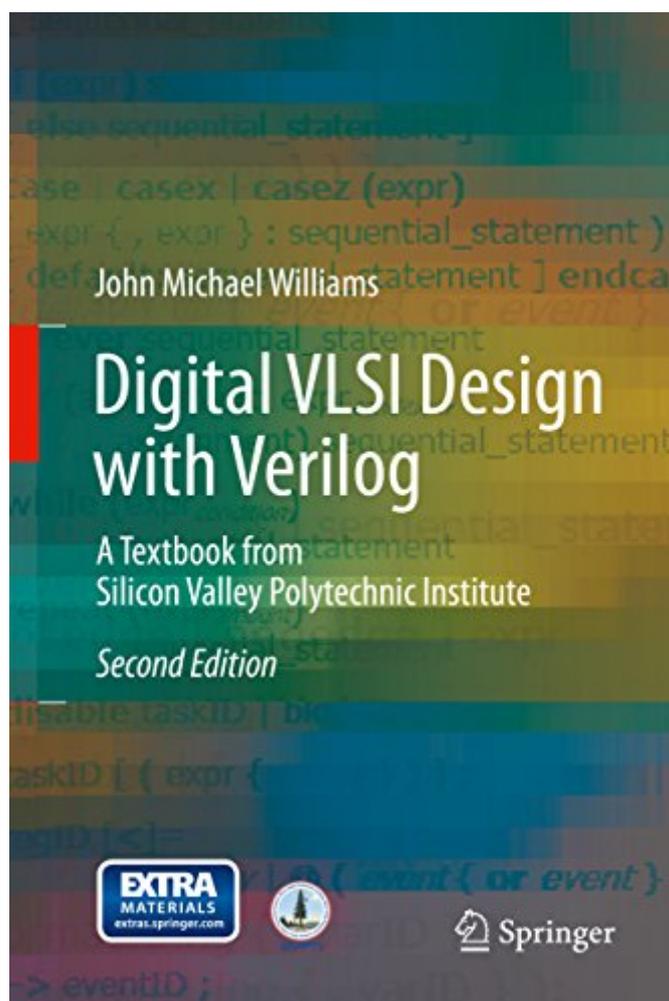


The book was found

Digital VLSI Design With Verilog: A Textbook From Silicon Valley Polytechnic Institute



Synopsis

This book is structured as a step-by-step course of study along the lines of a VLSI integrated circuit design project. The entire Verilog language is presented, from the basics to everything necessary for synthesis of an entire 70,000 transistor, full-duplex serializer-deserializer, including synthesizable PLLs. The author includes everything an engineer needs for in-depth understanding of the Verilog language: Syntax, synthesis semantics, simulation and test. Complete solutions for the 27 labs are provided in the downloadable files that accompany the book. For readers with access to appropriate electronic design tools, all solutions can be developed, simulated, and synthesized as described in the book. A partial list of design topics includes design partitioning, hierarchy decomposition, safe coding styles, back annotation, wrapper modules, concurrency, race conditions, assertion-based verification, clock synchronization, and design for test. A concluding presentation of special topics includes System Verilog and Verilog-AMS.

Book Information

File Size: 10399 KB

Print Length: 570 pages

Page Numbers Source ISBN: 3319047884

Publisher: Springer; 2 edition (June 17, 2014)

Publication Date: June 17, 2014

Sold by: Digital Services LLC

Language: English

ASIN: B00S16Q6Z8

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,214,690 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #181

in Books > Computers & Technology > Hardware & DIY > Mainframes & Minicomputers #267

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