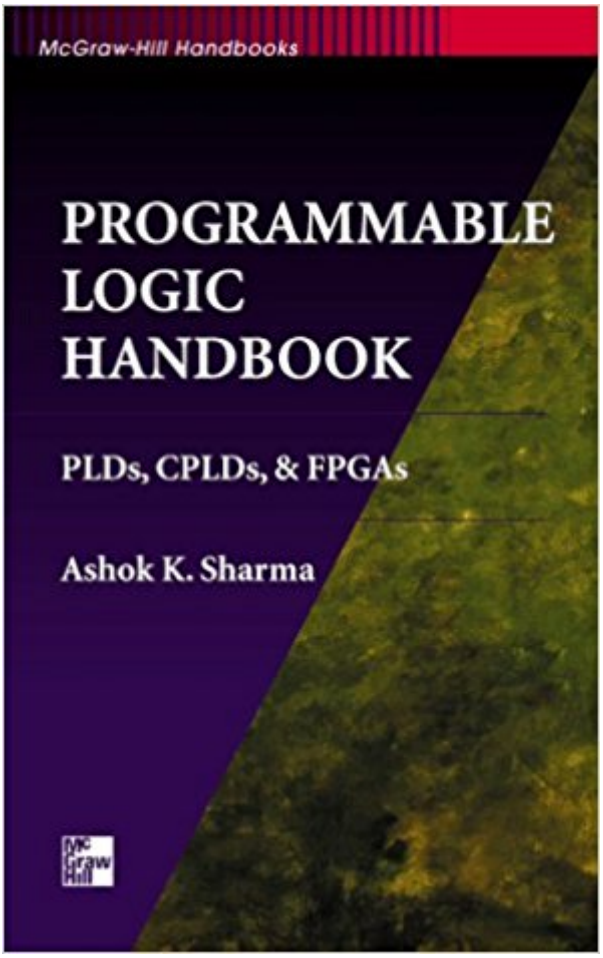
Programmable Logic Handbook: PLDs, CPLDs And FPGAs



Synopsis

This practice-oriented guide to programming with Field Programmable Logic Devices is the most complete resource on the subject. FPLDs are an essential part of today's high-performance electronic systems because they save board space, use less power, and offer quicker turnaround times than traditional integrated circuits. However, to maximize FPLDs, designers must understand and get around the tradeoffs involved. This one-stop guide addresses the challenges and opportunities through detailed coverage of: FPGAs, PLDs, PLAs, and CPLDs; the high-level description languages VHDL and Verilog; test issues; and more.

Book Information

Series: Mcgraw-Hill Handbooks

Hardcover: 435 pages

Publisher: Mcgraw-Hill (Tx) (April 1, 1998)

Language: English

ISBN-10: 0070578524

ISBN-13: 978-0070578524

Product Dimensions: 1.2 x 6.5 x 9.5 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 3.6 out of 5 stars 2 customer reviews

Best Sellers Rank: #3,418,643 in Books (See Top 100 in Books) #80 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #511 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic #1006 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

Customer Reviews

A Handbook and Information Resource Guide for Selection, Design, and Testing of PLDs, CPLDs, and FPGAs. PLDs are being used everywhere. Programmable logic devices are at the heart of the difital hardware and software revolution that experts predict will play a major role in every aspect of our lives in the new millennium. Siple and complex PLDs including FPGAs are at work in cellular phones, video games, as well as advanced military and space satellite systems. They'er in microwave ovens, automobiles, VCRs, television sets, disk drives, network hubs, bridgers, routers, laptops, and many other products. These user-configurable "mini-computers" save board space, use less power, offer quicker turn-around time, and provide more flexibility than the tranditional

integrated circuits assembly approach. PLD users, designers, and application engineers will appreciate the in-depth coverage of the latest technology, architectures, design and development tools information, and resources, From simple PLD applications to highly complex devices in custom computing and space hardware designs, this handbook helps you make the right technical decisions\=and win the time-to-market race. It’s an essential guidebook fro those who want to be on the leading edge of electronic frontier exploration in the new millennium.

send it to my grandson, arrive on time. good memory. would purchase again. This product is so great. I love it. It cuts like no other product I have even had. If you want A great product you need this one.

This was my first PLD & FPGA book and it is a very good start for introducing these devices. The book covers the different programmable devices to enter in a review of the most popular devices from the different manufacturers. There is a good brief digital logic design chapter. the more important part that this book teached me was the FPGA design methodology that allowed me to finally understand hardware description languages purpose like VHDL and Verilog.

Programmable Logic Handbook: PLDs, CPLDs and FPGAs Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware Description Languages Programmable Logic Controllers: Hardware and Programming Programmable Logic Controllers: Hardware and Programming - Laboratory Manual Fundamentals of Programmable Logic Controllers, Sensors, and Communications (3rd Edition) Mitsubishi FX Programmable Logic Controllers, Second Edition: Applications and Programming Programmable Logic Controllers: Principles and Applications (5th Edition) Mitsubishi FX Programmable Logic Controllers: Applications and Programming Programmable Logic Controllers: Programming Methods and Applications Programmable Logic Controllers Programmable Logic Controllers (2nd Edition) Programmable Logic Controllers, Third Edition Introduction to Programmable Logic Controllers, 3rd Edition Programmable Logic Controllers Textbook w/ PLC Stimulation Software Programmable Logic Controllers with ControlLogix Introduction to Programmable Logic Controllers Programmable Logic Controllers, Fourth Edition Programmable Logic Controller (PLC) Tutorial, Siemens Simatic S7-200 Programmable Logic Controller (PLC) Tutorial Programmable Logic Controller (Plc) Tutorial, Siemens Simatic S7-1200