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Programmable Logic Handbook: PLDs, CPLDs And FPGAs

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PROGRAMMABLE LOGIC HANDBOOK

PLDs, CPLDs, & FPGAs

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McGraw Hill
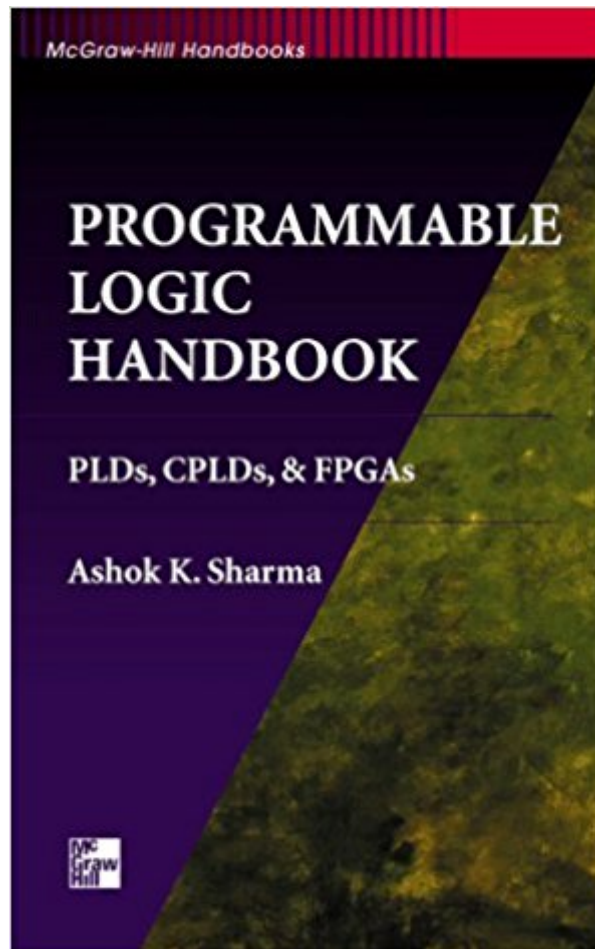
Synopsis

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.

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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.

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