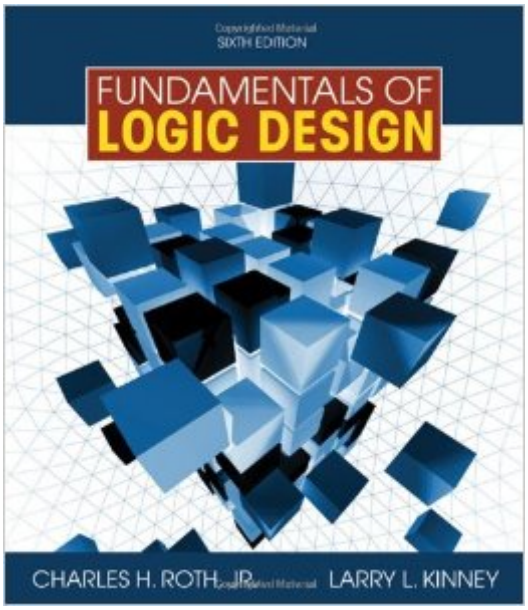
Fundamentals Of Logic Design (with Companion CD-ROM)



Synopsis

Updated with modern coverage, a streamlined presentation, and an excellent companion CD, this sixth edition achieves yet again an unmatched balance between theory and application. Authors Charles H. Roth, Jr. and Larry L. Kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory. Divided into 20 easy-to-grasp study units, the book covers such fundamental concepts as Boolean algebra, logic gates design, flip-flops, and state machines. By combining flip-flops with networks of logic gates, students will learn to design counters, adders, sequence detectors, and simple digital systems. After covering the basics, this text presents modern design techniques using programmable logic devices and the VHDL hardware description language.

Book Information

Hardcover: 784 pages

Publisher: CL Engineering; 6 edition (March 13, 2009)

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Product Dimensions: 9.2 x 8 x 1.4 inches

Shipping Weight: 3.3 pounds

Average Customer Review: 4.2 out of 5 starsÂ Â See all reviewsÂ (19 customer reviews)

Best Sellers Rank: #377,341 in Books (See Top 100 in Books) #65 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic #65 inÂ Books > Textbooks > Engineering > Electrical & Electronic Engineering #170 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Logic

Customer Reviews

Not great. Not bad. Supplementing a decent instructor it was very passable. The programming side of this book is what makes it stand out from others. Getting familiar with microprocessors and some basics regarding computer architecture should be the take away here. Learn and known boolean algebra before getting into the course and you'll be well ahead of the game. It doesn't take too long on your own, and it does take several classes for the professor to go through it all. Your first test's material will probably end with converting boolean expressions so if you can get that down before starting the class you'll have a good time. Same goes for base conversions (decimal to hexidecimal, octal to binary, etc.)

If you’re self teaching this to yourself, i’m sure there’s a better option. But seeing the bulk of us are buying this because a class specifies it, it really doesnt matter whether or not its good. it does a fairly good job at showing the numerical calculations along side the circuit diagram, which is rather useful. Other than that its not over the top great. HOWEVER paying $80 instead of the retail value of $200’s always a nice treat. I also got it within a week of ordering, which was really kind of them.

This book is a match and better toÂ Digital Fundamentals (10th Edition). It covers everything Floyd covered in his book and more. The examples goes much in depth than Floyd book, even though I like the way Floyd structured his book - diagrams, chart, pictures, ... -This book beside Floyd book is all what you need for this subject

I bought this book for a class I took at Cedarville University called Digital Logic Design. It’s a great textbook, we used problems in the back for homework. Hard concepts, but explained very well.

Good book for my class

Its easy to learn and understand just using the book alone if u miss class or if u just chose to learn on your own

Its ok. could have more pictures. really takes time to understand the material; would do better with online slides from free places

I had posted an earlier less favorable review because I paid for a new book as advertised but it was used (used sticker included). Just wanted to add the any_book resolved the problem with a satifactory partial refund (i kept the book) for the mistake.

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