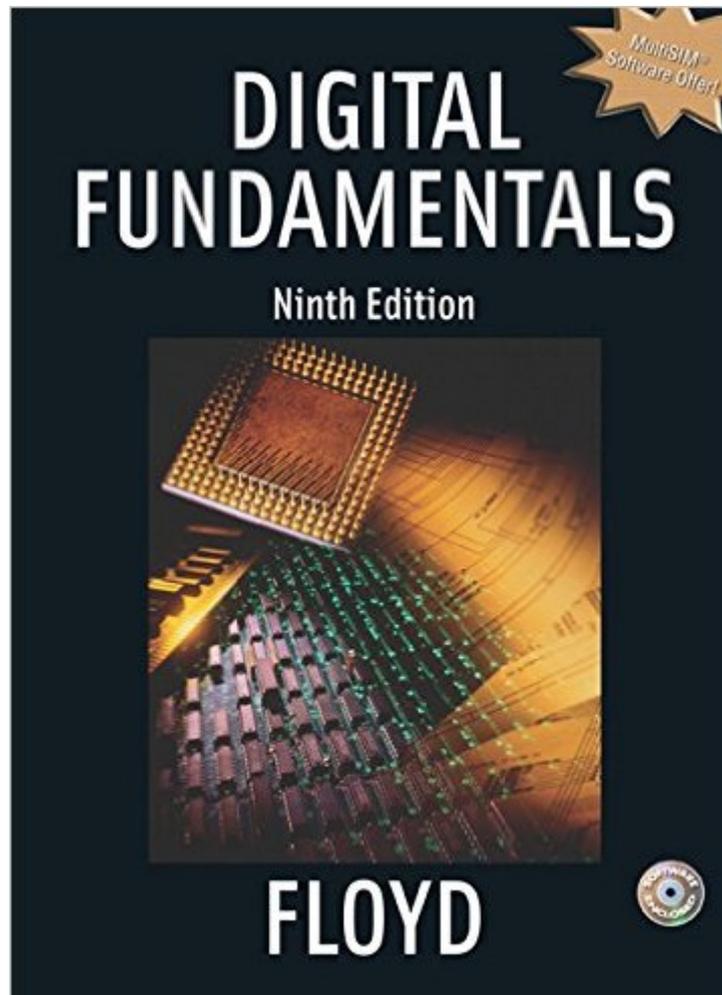The book was found

Digital Fundamentals (9th Edition)

Synopsis

Reflecting lengthy experience in the engineering industry, this bestseller provides thorough, up-to-date coverage of digital fundamentalsâ"from basic concepts to microprocessors, programmable logic, and digital signal processing. Floyd's acclaimed emphasis on applications using real devices and on troubleshooting gives users the problem-solving experience they'll need in their professional careers. Known for its clear, accurate explanations of theory supported by superior exercises and examples, this book's full-color format is packed with the visual aids today's learners need to grasp often complex concepts. KEY TOPICS: The book features a comprehensive review of fundamental topics and a unique introduction to two popular programmable logic software packages (Altera and Xilinx) and boundary scan software.   For electronic technicians, system designers, engineers.

Book Information

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Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (53 customer reviews)

Best Sellers Rank: #399,229 in Books (See Top 100 in Books)   #68 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic   #128 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design   #206 inÂ Books > Business & Money > Job Hunting & Careers > Vocational Guidance

Customer Reviews

This review is for version 9.Let me mention first: This book barely scratch the surface of the topic it discusses, but it's enough for the VERY beginner.If you are a student studying this subject for the 1st time, or your class title is "Fundamental of Computer Engineering" or teach about logic design, Boolean algebra or such, you might want to read below:This book is the ultimate book I've read (for beginner at least).Let me tell you what book I have and how they compare in my opinion:- Logic and Computer Design Fundamentals (Morris Mano) (No example or illustration or ....)- Fundamentals of Logic Design (Charles Roth, Larry Kinney) (Very good. but I did not like how the book is structured)-

Digital Logic Design (brian Holdsworth) (I did not like it)- Digital Design and Computer Architecture (David Harris) (extremely bad. That's actually a joke a more than a book)- Digital Fundamental (Floyd) (Excellent "for beginner")But why I did not like "Digital Design and Computer Architecture" even though it has good review on . For that, I invite you (just as example) to read the topic on KARNAUGH map in both books and compare... ...Floyd book is well presented, structured and organized in a way you feel that the author is feeding you the material with a spoon, and he made his best to really teach you the book content. You always see "Pay attention to this, ..., notice this ...,don't get confused, ..." accompanied with plenty of illustrations, pictures, charts, lists, examples or whatever it takes, to make it easy for student to get visual on the subject. I guess he worked this book out deep from his heart and not just for profit.When I was taking this class, I was forced by school to have "Logic and Computer Design Fundamentals (Morris Mano)". This book is great and awful at the same time. It talk about more in depth topics you don't find in Floyd book, but has no example whatsoever, no emphasize on important term and the book layout is extremely bad, that I got frustrated and started looking for an alternative. Once I got this book, I did not even need to follow my instructor notes anymore, since everything is in this book, and much more.And for people who complain "... .. Only the fundamental is covered in this book ... ..", then, if you take a look at the book title, it's clearly titled "Digital Fundamentals". If you already studied the material and you feel comfortable in it, then there is definitely more advanced books in the market, that don't bother to teach you the "FUNDAMENTALS".I should mention that "Fundamentals of Logic Design (Charles Roth, Larry Kinney)" is an excellent book too with more in depth examples than Floyd book. The examples in Floyd book are very easy, but the way he explain things, makes student ready to tackle complex problems. I started with Floyd book, and then I was able to grasp most of Charles Roth book content.Anyway, the subject by itself is extremely easy to grasp once you understand the basic.I got so impressed with the way the author presented this book, that I started looking for whatever available books he wrote for my other classes.Thank you Mr. Floyd

When I took digital design class, I struggled to find a book that is easy to understand. I tried to read several books, including Roth's book, all of them are hard to understand. Thankfully I bought Floyd's book and his book is the best digital design book I have ever read so far.1.) It has lots of colorful diagram that clearly illustrate the topics in each chapter.2.) Each topic has its own exercises, and each exercises has solutions provided at the end of each chapter. Doing the exercises improves my understanding of the subject.3.) Lots of examples in each topic. If you read and understand the examples, you can do the exercises.4.) It covers some digital technology, including the PLD.5.)

Once you finish reading this book, you will be ready to read advanced digital design book.Good job Mr. Floyd!

As a software engineer working in embedded applications environment, I needed to pick up digital electronics fundamentals fast. This book was extremely helpful, and enabled me to better understand the often-cryptic datasheets of microcontrollers.

The 9th edition is the one that my professor requested. However, some of the information is dated, and some of it is out-dated, so there are conflicts with more recent technologies. Unless this is the edition that you specifically need, go with something newer.

Generally a very good book. The content is well organized and explanations are very clear. However there are some important topics that are not covered, such as state machine (not in details), RTL design, and logic hazards.

Comprehensive and easy to understand, lab manual follows textbook and they work well together. I bought all the IC's needed for the lab manual from Jameco, totalled about $60 with shipping. Lab questions really make you think. No easy pass with this book, you really need to study.

Paid for a brand new FULL COLOR book, and received a used black and white copy..

The Fundamentals bit of the title suits this book well... The range of subjects the book covers is adequate, and it is visually attractive and very clear all the time, but this is achieved sacrificing the depth and detail some topics deserve (for instance, integrated circuits technologies). The exercises the book provides are too easy all the time, and that is a disadvantage for the serious engineering student.

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