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An Introduction To Modern Electronics



Synopsis

Offers a complete grounding in the principles and techniques of modern electronics. Designed to provide even beginning students with the knowledge and skills necessary for building useful and interesting circuits either in a laboratory situation or on their own. Concentrates on techniques and devices currently used in modern equipment and special attention is paid to the basic ideas and techniques used with important types of circuits. A substantial portion of the book is devoted to explaining the vocabulary and information presented in data sheets for these circuits. By instructing students in these techniques and familiarizing them with the ins-and-outs of electronic literature, it provides a sound introduction to the field and a means of keeping up with its extremely rapid changes.

Book Information

Hardcover: 544 pages

Publisher: Wiley; 1 edition (March 19, 1991)

Language: English

ISBN-10: 0471622427

ISBN-13: 978-0471622420

Product Dimensions: 7.8 x 1.3 x 10.3 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars 5 customer reviews

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Customer Reviews

Instructor's Manual available. -- The publisher, John Wiley & Sons

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students in these techniques and familiarizing them with the ins-and-outs of electronic literature, it provides a sound introduction to the field and a means of keeping up with its extremely rapid changes.

I used this book for an intro circuits course. My professor was fond of saying about it, "It contains just information to get you into trouble." That's it in a nutshell. This book does a pretty good job of introducing circuit theory in a manner that is very easy to understand. Each topic is broken up into a chapter. Most chapters are only a few pages long (I don't think any of the chapters are even 10 pages), and they do not go into depth. It is aimed at students with no electronics knowledge, and with little mathematical knowledge. Though it does use some calculus, these equations are rare. 90% of the book is algebra-based. I gave this book 4 stars because it assumes too little of the reader. While it is a college text, most high school kids that have taken any calculus could probably understand it with ease. As an after-thought, if you are using this as a high school text, you'll probably enjoy it. It is a great text.

It has a lot of highlighting, and it's really old. But it is a used book, so I was expecting some of that. It's all in one piece, and I can still read it alright, so overall, it worked out.

Good book. Quick Shipping.

This text is nice in that it makes very few assumptions about the course that it is used in. The book, and individual sections, are all self-contained. This allows the instructor to choose any sequence of topics for the course, and allows the inclusion or exclusion of math skills such as complex analysis (for phasors). Although the text has some problems, there are only a few, and they are not terrific, so instructors will still have to go afield to find problem sets. Although an excellent text, it is now 18 years old - a new edition would probably be welcome.

Seriously, if you want to understand EE, get Agarwal's text...this thing is for students who are a little , not so good!

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