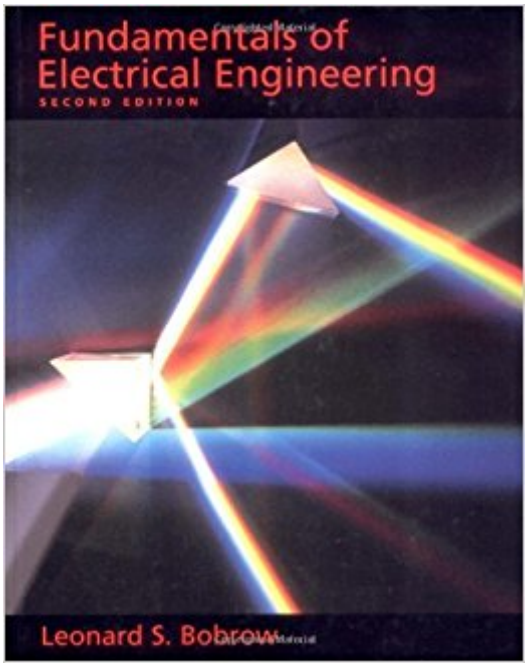
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Fundamentals Of Electrical Engineering (The Oxford Series In Electrical And Computer Engineering)



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Synopsis

The second edition of the highly successful Fundamentals of Electrical Engineering is thoroughly expanded and updated. The text is divided into four parts: circuits, electronics, digital systems, and electromagnetics. Although it delves in depth into each of these topics, the text represents more than your basic survey of the basics of electrical engineering. A solid understanding of the fundamental principles on which modern electrical engineering is based is also provided. This edition includes a chapter on circuit analysis software SPICE, with a detailed discussion of the PC version known as PSPICE (from MicroSim Corp.). Numerous drill exercises have been added to this new edition, reinforcing ideas presented in the examples. There are over 1,000 end-of-chapter problems. This text is suitable for a variety of electrical engineering courses. It can be used as a text for an introduction to electrical engineering for both majors and non-majors or both, or can be split and the various chapters utilized for an introduction to circuits course, a first electronics course, or for a course on digital electronics and logic design.

Book Information

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Customer Reviews

"Very nice text. The broad coverage is nice for students in later studies....The chapter on SPICE is very helpful."--Perry Wood, Penn State Mont Alto"Beautifully illustrated, very complete text."-Leo Holzenthal, Jr., University of New Orleans

Leonard Bobrow is at University of Massachusetts.

this is a textbook from a class I am tacking online from Rice University and a must textbook for anyone tacking this class either online or on campus, clearly written in such a manner that makes it clearly understood and very easy to read,, a must read for anyone interested in the topic

This book is a good primer for anybody wanting to get into electrical engineering or start discovering and understanding electronics. But, it’s still difficult to follow, easy to get lost, ie - not a great textbook. The information is all there, but not the most cohesive. It’s almost as if it tries to cover everything, but dumb it down for the least common denominator, er, um, student. What plays out are lacking half-explanations of LaPlace transforms, a few pages of handwaving for some key principles (transistor models, anyone?), and, due to poor book design, examples that run into the actual text.It tries to teach by going through examples, which would be fine if what was trying to be taught was somewhere expounded in a more thorough theoretical form in the text, which it’s not.What amazes me is how big this book is, given what I just mentioned above. They had plenty of pages to fill, and somehow didn’t fit in all the stuff they should have.Still, you can learn a lot from the book!

Exactly as advertised. Arrived quickly.

not that good

I love the book. However, I did not know when it was sent.

This book was required for a class I took on Electrical Engineering. I wish I had never bought it.Overall the text seems very complete, but difficult to get into, and relatively useless as a study aid. Normally I prefer my course texts on introductory material to be very explanatory, and hopefully clear. This book is neither. Rather than spell things out in simple terms, the author makes it quite a chore to follow through on both his logic and equation progressions.I imagine that if you already knew everything, and just needed a nice fat book on Electrical Engineering for reference, this one would do nicely. It however makes for a very frustrating intro.

Decent introduction for anyone with a basic understanding of electronics. The text starts off with

fundamental rules, ohm's law, kcl, kvl, etc. There is a really nice explanation of how diodes and transistors work on the electron level. Some very good information is here for anyone who would like to know HOW something actually works.This book, however, falters when applying techniques to real world situations. But this is a book of the fundamentals of EE. It won't be the only EE book on my shelf, but it has it's place.

Don't buy it unless the profs threaten you to. The book doesn't give enough examples, skip lots of steps in the examples that are given. Worst of all, it has tons of MISTAKES in it!

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