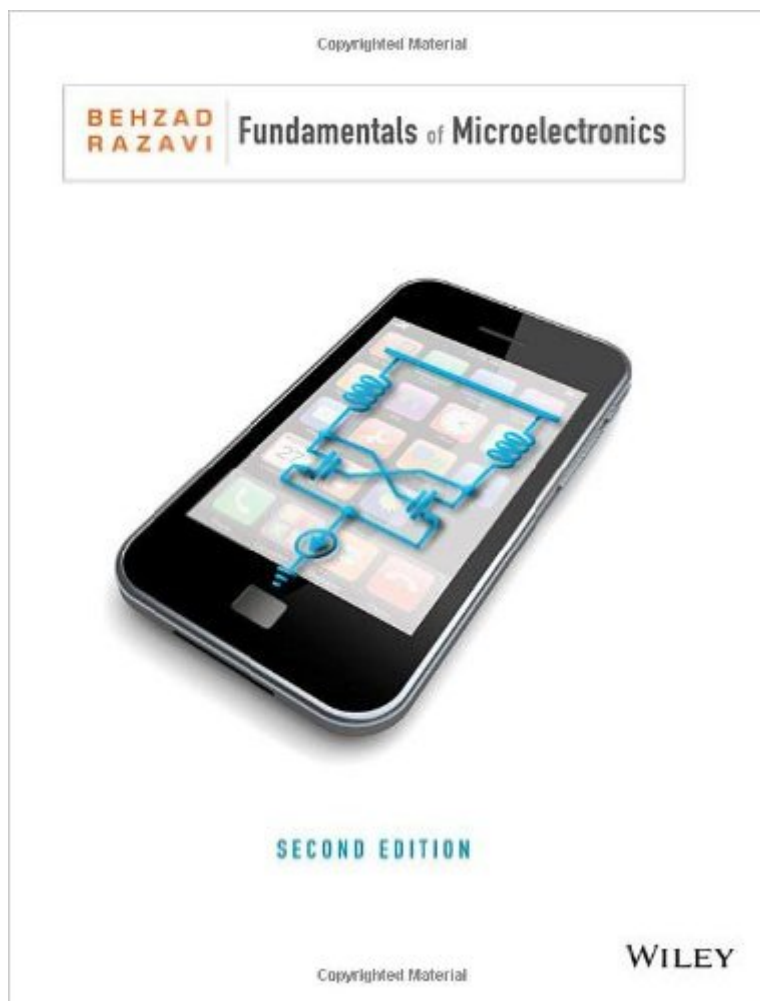


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# Fundamentals Of Microelectronics



## Synopsis

Fundamentals of Microelectronics, 2nd Edition is designed to build a strong foundation in both design and analysis of electronic circuits this text offers conceptual understanding and mastery of the material by using modern examples to motivate and prepare readers for advanced courses and their careers. The book's unique problem-solving framework enables readers to deconstruct complex problems into components that they are familiar with which builds the confidence and intuitive skills needed for success.

## Book Information

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## Customer Reviews

This is one of the more polished books I've come across as a student. The concepts are explained very well for each section with many various examples to support them. This is a good introductory book for people who want to get into circuit design. It talks about diodes, transistors, and amplifiers in general. There are also many blue boxes that relate what is learned to either history or the industry. The only things to look out for in the book are the derivations of the equations. There are a lot of equations in the book and some of those equations are hard to derive just by looking at the previous equations. This book also builds up on and refers to previous chapters, so it might not make sense if you start at a later chapter. Although the price for this book is very high, I would still recommend this book. It is on a higher quality level than many other books out there.

Great book, I wish there were solutions to the problems for independent learning. Beware many

problems will include vocabulary not defined in the text!

Very helpful with BJT and MOSFET models. Information is very understandable. Book is structured for purposes of circuit analyses for EE students

I am a big fan of Razavi's books. As always very well explained. A great book for all levels.

This is a great textbook. Very clear explanations and very informative in a classroom setting. I wish I could find the solutions manual to it so that I could know if I am getting the exercises correct.

It is a best book to get clear idea of Microelectronics for undergraduate student. Well defined and explanation is very clear.

Currently finishing up the book, I've powered through the first 12 chapters, and I feel like I have a good feel for the subject matter. Where this book falls on its face is in the details. If you were to take a test on this subject and you could not remember every little discrepancy of each application, you would certainly fail. This is not because the nature of the subject matter (which is often the case in EE), but a short coming of the Author's. What Razavi (or most likely his editor) lacks is an eye for detail, evidenced frequently by either a large conceptual leap by physical assumptions, or a sloppy forgetfulness to explicitly document the meaning of every subscript. The latter may have you baffled for relevancy, however at this level of mathematics, clear sub-scripting and a thorough explanation thereof is absolutely key (Rosetta stone etc... etc...) to understanding WHY the circuit can behave contrary to pure mathematical analysis. Therefore the book has left me with the impression that microE. is simply the conjuring of cheap bar knowledge, memorized like a high school chemistry class, and yet our book does not provide ample intuitive (or simply incorrect) sources to achieve even this. So for all its strengths, I must give this book a poor rating. And for the skeptics, I will assure you that I have achieved an A in my class thus far and I enjoy my teacher. Sorry Razavi, but please do a better job in 3rd edition, coming soon, since we all know your book is almost a year old and your publisher needs the money.

Once again Wiley proves that textbook publishers are scum-sucking jerks. They charge over \$180 for a 'textbook' that is not even bound, and which consists of very cheap thin paper. Probably costs them \$10 to produce this crappy product, which touts that it's "less expensive" and "more

convenient", but you know they publish in this format to reduce the quantity of books that make it to the used book marketplace. I'm sure gouging students, a captive audience which therefore has to pay whatever is charged, is great for their stock; see attached image; it's doing great!

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