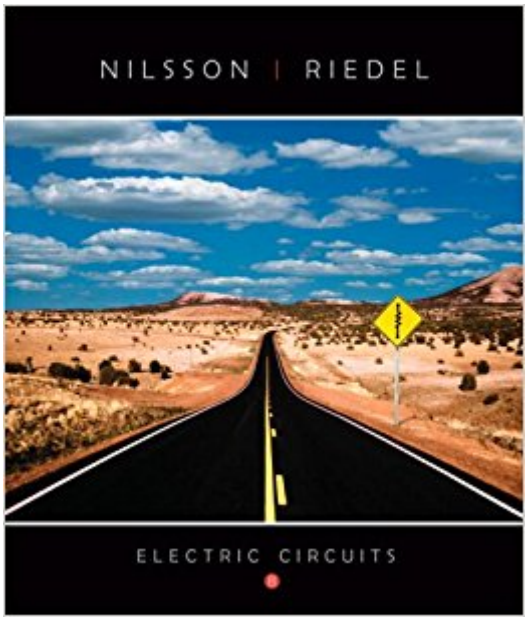
Electric Circuits (8th Edition)



Synopsis

Electric Circuits,Â Eighth Edition features a new design,a four-color format, and 80%Â of chapter problems have been updated. In the midst of these changes, the book retains the goals that have made it a best-seller: 1) To build an understanding of concepts and ideas explicitly in terms of previous learning; 2) To emphasize the relationship between conceptual understanding and problem solving approaches; 3) To provide readers with a strong foundation of engineering practices. Chapter topics include Circuit Variables; Circuit Elements; Simple Resistive Circuits; Techniques of Circuit Analysis; The Operational Amplifier; Inductors, Capacitors, and Mutual Inductance; Response of First-Order RL and RC Circuits; Natural and Step Responses of RLC Circuits; Sinusoidal Steady-State Analysis; and more. For anyone interested in circuit analysis.

Book Information

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Customer Reviews

This book worked for two classes. It was divided up for the simpler Electric Networks class and then used again the next semester for Networks and Systems. The first half is hard to grasp at first, but once learned helps out so much for the advanced concepts of the second half. It had many examples that were very helpful in understading how everything worked. Unfortunately it is just a complicated subject in general that requires a lot of studying. I liked how it was broken up into sections for each chapter as the chapters can be lengthy. I wish the second half had more walked through examples.

I ordered this book because my circuit analysis class is using it, and I wish we had a different, more useful book.The book fails to adequately teach the topics that it covers. The example problems it uses to teach concepts are nicely simple, but then the problems regarding that concept are way more complex. They are so much more complex that most of the time, I have no idea what's going on.If you intend to use this book for something more than just practice problems: I recommend that you do not buy it.

I rated this textbook three years ago, but decided to delete my review and post it again. As a grad student in EE now, I decided to reopen this book and brush up on my circuit analysis.After working through a couple chapters worth of problems, I am a little surprised at the amount of incorrect solutions in the back of the book. In Chapters 2 & 3 alone, I found three problems with incorrect solutions in the back of the book. I even verified my solutions with a SPICE simulation since I thought I must have made a mistake somewhere. Being the 8th edition, I expect maybe 1-2 errors in the entire book, not per chapter.The material is a much more clear than the first time I went through it, but I still see how it could be frustrating for a first year EE student; there are many cases where the author jumps straight to a conclusion without much consideration. This book does little in the way of derivations, which may be frustrating for beginning students.In conclusion, I would looking for a book with less errors.

Required textbook with some good treatment on many introductory topics. Some topics could use better treatment but overall it is a pretty good introductory text (there are much worse). It is a pretty good reference so I kept it after the course was completed.

the hardcover is terrible and this global edition is worse. many of the exercises are similar to the hardcover with values modified. i'm repeatedly finding calculation errors in the text or where the hardcover may have whole number answers, the paperback will have answers in the form of improper fractions. aside from that, the text is often too vague with very poor and overly simplified examples. the paperback is not a good alternative to the hardcover.

Required for a class. This book was helpful in learning circuits, but I found it more helpful to watch Youtube videos than to read the text. This is good for theories though. (Use the solution manual to aid in the learning of solving the problems in the book, the solution manual helped me the most when going through problems.

Fast shipping, good condition. However, I do not recommend getting this book for any class. I had rented it for my EE class and it never once helped me. The book is very hard to follow and doesn't give information clearly. Upgrade to the newer version for sure, or it will be sitting on your book shelf the entire semester.

As a student, I found this to be among the most helpful of the textbooks I own. The authors do a very good job explaining the basic methods of analysis for electrical circuits. It is very easy to take the techniques taught in this book and adopt them to use in circuits containing components such as transistors, diodes, and transformers which are BEYOND its scope. The versatility here is really great. This said, the one caveat I have with it is that there is not much specifics in it. The general methods are covered, but anything specific to certain parts and types of circuits will really have to be found elsewhere. That being said, it is great for anyone with a serious interest in the ANALYSIS of circuits. Not so much if you have a specific area of interest in mind, as its very general.