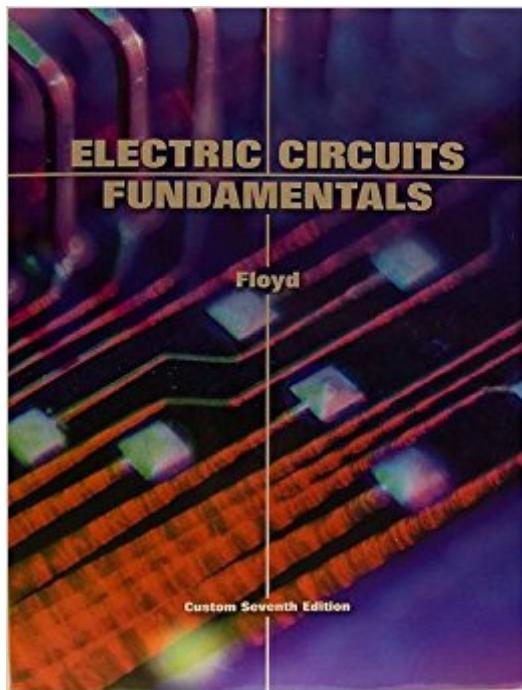


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# Electric Circuits Fundamentals



## **Synopsis**

Book by Floyd, , Thomas I.

## **Book Information**

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## **Customer Reviews**

I use Floyd's books to teach electronics courses in a community college. They're OK books, but Floyd is one of those writers that just has to write new editions all the time, which forces students/instructors to buy new books. My students were just told by the bookstore that they can't return they're 6th edition for buyback, and they will now be forced to buy the 7th edition to complete the 2nd semester of their studies. DC and AC circuits are basically the same now as they were twenty years ago. There is no need for constant revisions in such a slowly changing field. I have seen Floyd's books change over the years - the content is about the same, but each new edition just seems to be a bunch of re-arrangements and added fluff (like which calculator keys to hit, even though the pictured steps don't work on many calculators). The small changes needed to a textbook, such as adding new Multisim files, should be done on a companion website, not in a new edition. The new editions seem like a gimmick to increase sales. I will be switching to a different author for future courses.

I completely agree. Finding the lab files is a horrible ride. Try any search engine (even Prentice Hall is tight on telling/giving the experiment/lab files to complete the 45 labs). I've managed to locate only the lab files for the 7th edition (lab exer. 1 to 44) Some filee for the 8th edition text book are unaccounted for from the Prentice Hall download site - file E11-06, E15-01. There's a catch to all this

runaround too -- you gotta buy the MultiSim program to get these labs to work; and that software is a hidden and expensive purchase. Grinding teeth and pulling hair is what these titles try to make you do. Getting a better book and author who has a better support site than Prentice Hall.

I bought this book the summer before I changed my college major to Computer Engineering (Electrical Engineering mixed with Computer Science basically) and I learned a lot in a short period of time with this book. This does a really good job of teaching the basics and provides mostly fun little problems and gives detailed explanations of the solutions. I would heavily recommend for a high school student or early college student who wants to get a jump start on electronics and the math/methodology behind the basics of circuit design. My only complaint is that it does not get very in depth on particular subjects which means that you will need to look elsewhere for detailed explanations of the more complex concepts.

This book is an interesting one. Honestly I can only say this: If you have a working understanding of calculus and differential equations, this book will frustrate you to no end. It was our mandatory text for an intro to electrical engineering class (non EE majors), and after a few weeks we all abandoned hope. Our professor at the time was new and never had a chance to look at the text before the department selected it. He gave up trying to use it because it attempts to teach the fundamentals of electric circuit analysis using basic algebra. If you've ever had to learn about RC, RL, and RLC circuits, you know that these circuits are governed by first and second order differential equations; you just can't teach it thoroughly with algebra. Just a simple example on current. Current is simply the amount of charge passing a given point in a certain instant in time. This can be simply written as  $I = dQ/dt$ . However, if you've never taken calculus, this expression might not make sense, or scare you off. Instead, there was some roundabout way of explaining current, which comes across as awkward when it can be reduced so much more. This book was around for one year before it was discontinued as part of the course curriculum, whereby another text was chosen. **HOWEVER**, I would imagine if you are still at the high school level and just have a basic interest in electricity, then perhaps this would be a decent text. I never truly looked at it from that level, but it does forego the complex mathematics that most will not have been acquainted to just yet.

I found this book well written in a manner that was easily understood for new comers to the subject. The chapters are arranged in a progressive manner compounding everything as it goes along. In my eyes, this book is a great way to learn the fundamentals of electric circuits.

This item was great; very tight, and it spread in about 23 minutes, so I was able to pull up on the curb at Downtown Chelsea Square and then still make it in to work on time. Definitely a good spray.

It is a good book for those students, who major in Electrical Engineering or Mechanical Engineering, to learn a basic knowledge.

A very good book to learn about electric circuit fundamentals. You can also get an intro into electronic principals at an industrial level. Lots of good illustrations.

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