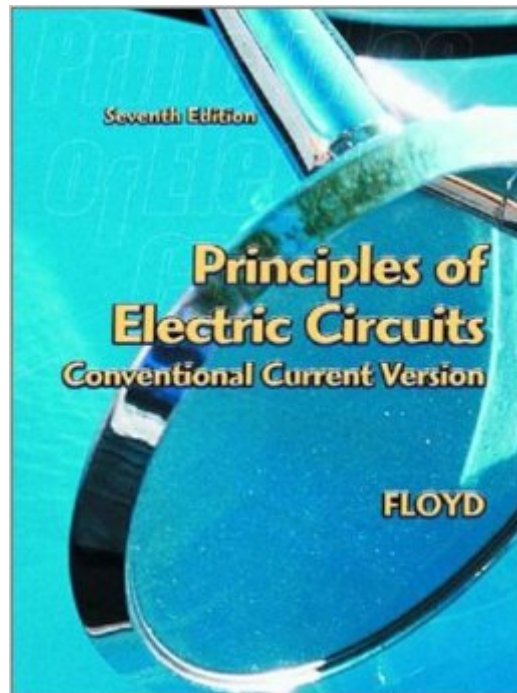


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# Principles Of Electric Circuits: Conventional Current Version (7th Edition)



## Synopsis

This text is written for courses in Electric Circuits, including Introductory, DC/AC, and Electric Circuits I & II. All of the necessary fundamentals are addressed; Components /Quantities/Units; Voltage; OHM;s Law; Energy/Power; Series Circuits; Parallel Circuits; Theorms/Conversion; Branch, Mesh, and Node Analysis; Magnetism/Electro Magnetism; Alternating Current/Voltage; Phasors; Capacitors; Inductors; Transformers; RC Circuits; RL Circuits; RLC; Basic Filters; Pulse Response of Reactive.

## Book Information

Hardcover: 1008 pages

Publisher: Prentice Hall; 7 edition (April 21, 2002)

Language: English

ISBN-10: 0130985767

ISBN-13: 978-0130985767

Product Dimensions: 8.5 x 1.5 x 11 inches

Shipping Weight: 4.9 pounds

Average Customer Review: 4.1 out of 5 starsÂ Â See all reviewsÂ (34 customer reviews)

Best Sellers Rank: #719,858 in Books (See Top 100 in Books) #269 inÂ Books > Education & Teaching > Schools & Teaching > Counseling > Career Development #370 inÂ Books > Business & Money > Job Hunting & Careers > Vocational Guidance #439 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Electrical

## Customer Reviews

This books focuses on the fundamentals of electric circuits. It walks students very carefully through the basics of electric circuits. What I liked in particular was that the book provides examples of things like: "why would you place resistors in parallel" or "why would you place resistors in a series".It has a CD in the back that I haven't tried yet, but looks interesting. The CD has more experiments with circuits using a simulator or two.

This book explains in great detail every concept but when it comes to math , the author replaces it with an intuitive manner (such as : experimentaly it is know that ... so ... ; think at the water as being electric current ...).The only thing that can be considered as being math are formulas and some exercises (require basic calculus) , nothing more.So if you want to reach that formula by yourself then you must choose another book.The math beyond Electric Circuits in general is very simple but

it seems that Floyd preferred to use those 1k pages to write additional explanations instead of demonstrations. So this book is a great deal for those who want to begin designing. This book has a target audience but I think everyone in this field must own this because no other book has so many coloured graphs, explanations, many real electric components (schematics and descriptions), experiments drawn in a real way. I'm glad that I bought this. I give it 4 stars because of no math (some portions requires it).

This book is great, it is perhaps the easiest book I've read when it comes to electric circuits, the topics are properly structured, the authors way of writing makes it easy to understand, it has a lot of practical applications as well as troubleshooting techniques, it is great to get a quick, general and easy grasp of electric circuits. However, in my opinion the author oversimplifies many topics, the math is so easy and basic that highschool algebra will suffice, several topics that are needed for an EE major are not covered in this book, in other words, if a bit more than simple math is required, then it's not covered in this book, forget about differential equations, Laplace or Fourier transforms and such. I believe this book is targeted towards technical schools rather than EE students, thus the heavy focus on troubleshooting techniques and "cut to the chase" theory. Still, I would highly recommend this book to an EE student as a companion book, not as a main text book, it's great to have around as a quick reference when you quickly need to understand the basics of certain topic without the 2 pages of formulae derivation and theorem proof, plus it's useful to know many of the troubleshooting and measurement techniques. If you are an electronics enthusiast, this is THE book to read to understand electric circuits.

I used this lab book instead of the current one and I never ran into an issue with it. The lab chapters line up right with the current edition (didn't check page numbers but who cares). So it worked out fine. Save yourself some money and get this one...your wallet will thank you ;)

The book covers everything and then some. Very easy to understand, formulas are explained, this is a no-brainer!!!! Would highly recommend for class or as a self-taught adventure. Has website links, I mean what else do you need. :)

This is quite a good book. I used this for both my DC and AC circuits classes at the University of Hartford. I rented the book but should have bought it. It has very nice diagrams and is written out very well.

The author's approach to the concepts is very well-paced. The explanations are thought out and concise. Because of this, I've been able to speed through the book whilst mastering the content with ease. A well-grounded knowledge of algebra is of course requisite to being successful with this subject.

This book was required by the Professor to purchase per his class as Houston Community College. It was a very big help that allowed me to rent this book, as I am on a one income family and this rental allowed me to have better management of my flex spending. The professor was not very good, however, the book did help me get through the class. The book was written well and is very easy to understand,

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