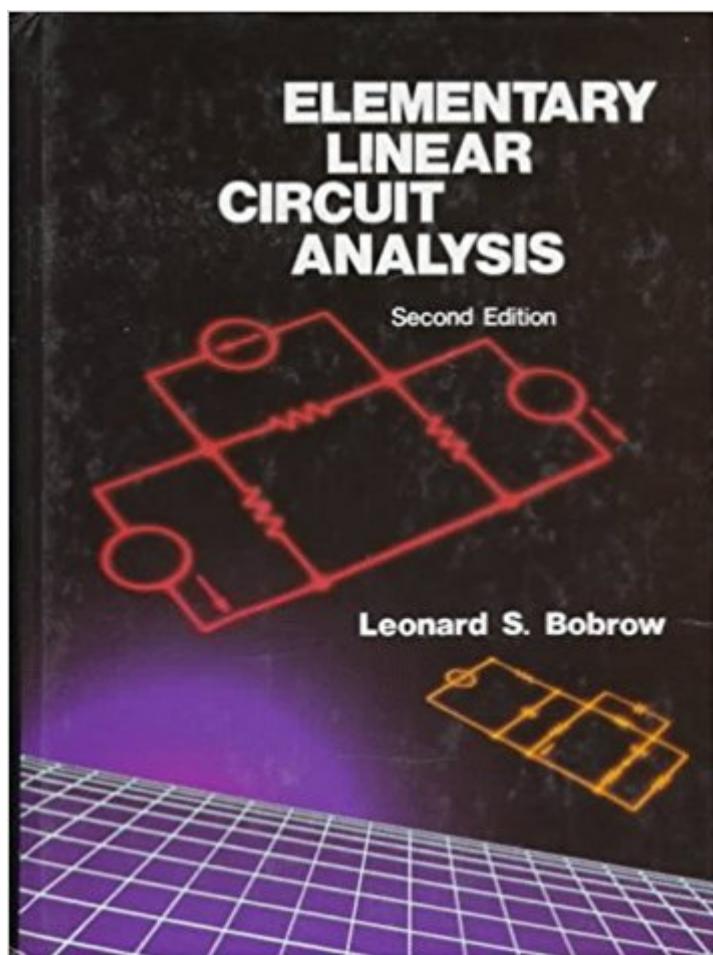


The book was found

Elementary Linear Circuit Analysis (The Oxford Series In Electrical And Computer Engineering)



Synopsis

A "student-friendly" introduction to the basics of electric circuit analysis, this sophomore-level text covers traditional material, as well as such modern topics as op-amps and the use of digital computers for circuit analysis. The presentation is very lucid and thorough with clearer and more complete explanations of Kirchoff's laws, and nodal analysis than in comparable texts. Bobrow also places greater emphasis on signals and waveforms. This text features evaluation of initial conditions, phasor diagrams, and coverage of SPICE.

Book Information

Series: The Oxford Series in Electrical and Computer Engineering

Hardcover: 736 pages

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Average Customer Review: 4.7 out of 5 stars 3 customer reviews

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Customer Reviews

Leonard S. Bobrow is at University of Massachusetts, Amherst.

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This textbook is very much an introductory textbook on linear circuit analysis, i.e., analysis of electrical circuits that can be drawn on a plane without unconnected wires crossing. It presents all the necessary basics of the subject with a straightforward, practical approach couch in somewhat

casual language. A solid foundation in the topic is therefore provided, with numerous examples to reinforce the concepts and provide practice. However, apart from a more than usually well-constructed approach, there is no outstanding feature that shows it to be far superior to others of its ilk. Physically, the book is not inordinately thick, nor is it poorly produced. In fact, although it has the rather old-fashioned two-colour layout, the print is clear, and the book, on the whole, is well made. On the whole, then, whilst not a particularly inspiring textbook, it nevertheless provides a good basis for the subject, and has a lot going for it. As an introductory text, it is not particularly interesting, but readily fulfills its aims in terms of teaching the subject matter.

I have used 4 different circuit analysis texts in the last five years. This text gives a clear concise explanation of the material. The best I have experienced to date. Circuit textbooks are usually riddled with errors, and difficult for the beginning student to understand the concepts. While this book does have its inconsistencies, it is the best I have seen to date.

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