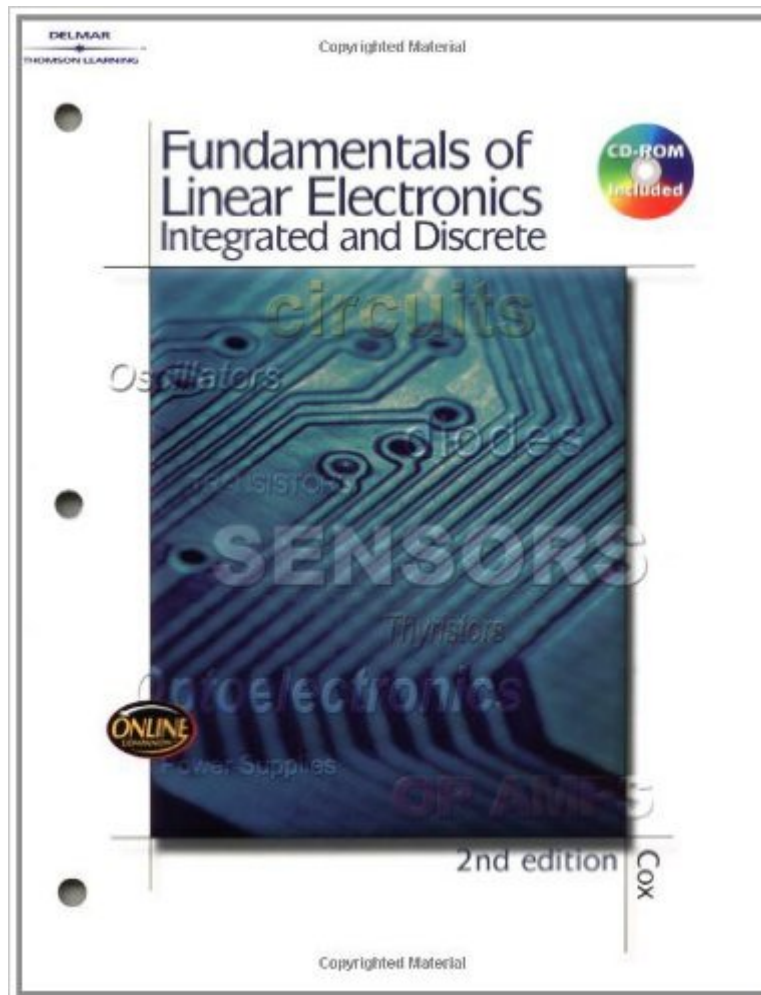


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# Fundamentals Of Linear Electronics



## Synopsis

Keeping pace with the electronics industry, this edition of our popular Fundamentals of Linear Electronics combination text/lab manual now features reduced coverage of discrete circuitry to allow readers more time to focus on integrated circuits. The first section of book introduces the building blocks - that is, the components used to build electronics circuits - such as the op-amp that provides the foundation for much of today's modern circuitry. The second section progresses logically into an exploration of the circuitry used to construct electronics systems, including: active filters, oscillators, differential amplifiers, voltage regulators, analog-to-digital converters, digital-to-analog converters, power amplifiers, and phase-control circuits using SCRs and Triacs. Pre-labs at the end of each chapter simulate the hardware lab experiments while requiring use of a calculator and, if possible, verification of results using MultiSIM or other electronic analysis software.

## Book Information

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## Customer Reviews

I am an avionics student and we are studying this book and it is very hard to understand. Could someone answer some questions that I have?

I agree with Ryan Eggen's description of the book, especially since I am in his class. I, too, am an avionics student and this book is extremely hard to understand. I feel lucky if I can go one page without having problems understanding the text.

I agree this book is hard to follow at times yet it has many labs and diagrams which to follow. I am looking for the labs to this book online , if anyone has know of them it would be helpfull. Thanks !

As for applying knowledge about electronic components though, it is lacking in some major areas. The author depends too heavily on Multisim for explaining his work. This is most definately not a beginner's book on components. There are not enough pictures, formulas, and background information for a student to proactively learn. You had better have a good understanding of electronics before attempting this text.

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