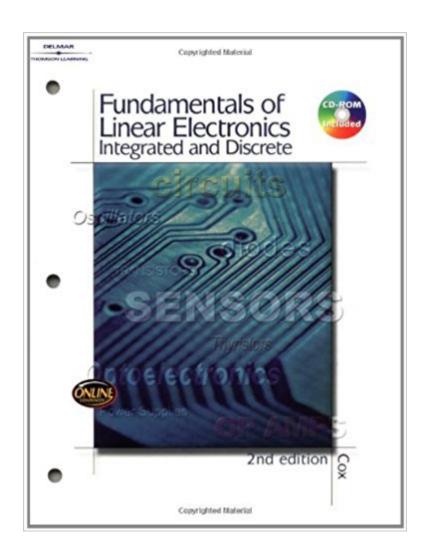
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# **Fundamentals Of Linear Electronics**





## **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 electronc 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 agood understanding of electronics before attempting this text.

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