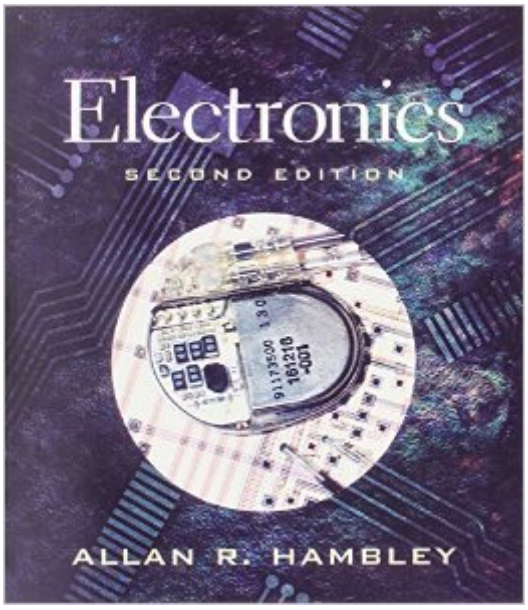
Electronics



Synopsis

The book provides a wealth of readily accessible information on basic electronics for electrical and computer engineering. The introduction and treatment of external amplifier characteristics has been condensed into the first chapter, op amps are treated in a single chapter, and treatment of device physics has been shortened and appears in various chapters on an as-needed basis. For anyone who wants an introduction to electronics.

Book Information

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Average Customer Review: 3.5 out of 5 starsÂ Â See all reviewsÂ (10 customer reviews)

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Customer Reviews

Great book - the best compared to many others in the market. Most university entry level electronics texts are useless to students - too damn hard to read. Most authors were probably too busy trying to impress - resulting in something which is, yes, complete and blah and blah, but totally useless to students. No, not this book - it took pain to ease a reader into the material. But, unfortunately, the 2nd ed has lost much of that refreshing "innocence" of the 1st ed and conformed to be more like others in the market - too bad.

This book covers many of the topics in Sedra and Smith, but does so in a very understandable manner. Examples are well chosen and clearly explained. Far clearer than Sedra and Smith.My choice for an introductory book covering transistor circuits.

Product itself: Good condition. No issues.Contents of the book:Pros:- Good chapter flow; starting

from core and basics to advance topics.- lots of graphical and non-graphical examples.-Good intro section to all topics.Cons:-Important equations and constants are sometimes omitted or vaguely mentioned. (i.e. constant Vt is mentioned once or twice and it's hard to figure out what it is as you can't find it in index or glossary.)-I did not like the fact that the book made things harder than they really are. For example, Common emitter voltage amplifier is an inverting amplifier that amplifies both the current and the voltage. If we added a feedback resister, the gain of the amplifier will be dependent on R(common) and R(feedback). The book will not tell you this. It will simply show you a diagram with no clear explanation. In some examples you see R(feedback) and sometimes you don't. Without R(feedback) the gain is based on bias forwarding but the book fails to explain anything to the learner. So if you didn't know or look elsewhere you may never know the reason behind R(Feedback).Conclusion: The book is not the worst book I've come across but not good either. The book is ok for those who have prior knowledge about circuits and circuit components. But for intro students or learner, this book often does a bad job of explaining diagrams and models. It often does not give you the main points to its configuration and topics either.

There are much better electronics books out there. But this one generally does the job and matched up with the book my professor listed on her syllabus. It also has the answers to it's problems available online (with some dedicated research), so there's definitely a bonus there.

I didn't really have any feelings about this book one way or the other when I used it last semester for my first semester of electronics. Even though this semester I am in basically part II of that course, we have to pick up in the middle of Sedra & Smith. Sedra & Smith is insane. It might work well for grad students who need to know EVERY LITTLE DETAIL, but my professor picks and chooses out of it and teaches basically just what's in Hambley! and in almost the same order! Why we aren't using Hambley I don't know but I wish we were. I use Electronics to study then begrudgingly go to the overworked, tightly packed mess that is Microelectronic Circuits for homework problems.Now.. a con for Hambley: a little too much reliance on PSpice to get a point across. We rarely used PSpice in class and the student version I got from Orcad didn't really match up to Hambley's. I find that I can barely follow a lot of the PSpice instructions in Hambley anymore because of too many version changes. (It's easier at school where we use the same version.)

on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) All-in-One Electronics Guide: Your complete ultimate guide to understanding and utilizing electronics! The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) Teach Yourself Electricity and Electronics, 5th Edition (Teach Yourself Electricity & Electronics) Make: Electronics (Learning by Discovery) Getting Started with Arduino: The Open Source Electronics Prototyping Platform (Make) Photonics: Optical Electronics in Modern Communications (The Oxford Series in Electrical and Computer Engineering) Industrial Control Electronics DSP Filter Cookbook (Electronics Cookbook Series) AVR Microcontroller and Embedded Systems: Using Assembly and C (Pearson Custom Electronics Technology) Programmable Controllers and Designing Sequential Logic (Saunders College Publishing Series in Electronics Technology) Programming and Customizing the PIC Microcontroller (Tab Electronics) Raspberry Pi Electronics Projects for the Evil Genius (Tab) Getting Started with Sensors: Measure the World with Electronics, Arduino, and Raspberry Pi Hacking Electronics: An Illustrated DIY Guide for Makers and Hobbyists The Electronics of Radio Evolutionary Electronics: Automatic Design of Electronic Circuits and Systems by Genetic Algorithms (International Series on Computational Intelligence) Model Railroad Electronics: Basic Concepts to Advanced Projects (Model Railroad Handbook) Programming the Propeller with Spin: A Beginner’s Guide to Parallel Processing (Tab Electronics)