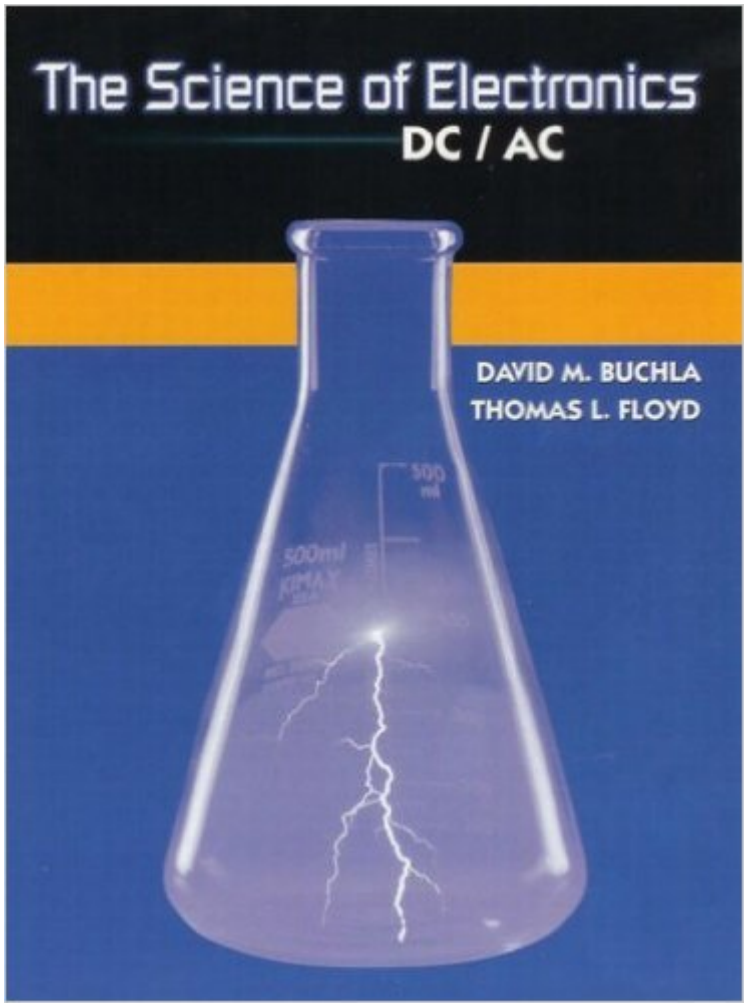
The Science Of Electronics: DC/AC



Synopsis

Part of the popular Science of Electronics series, DC/AC presents clear and comprehensive coverage of fundamental elements of DC/AC circuits with a strong emphasis on the science and necessary math. Concepts are well supported by many worked out examples and illustrations. Instruments such as digital oscilloscopes (as well as the analog scope) and the function generator are covered in detail. In addition to passive circuit coverage, there are discussions of programmable logic controllers, motors, and generators, as well as other devices. The volume examines mathematics for electronics, electrical quantities and measurements, Ohm's law and Watt's law, series and parallel circuits, combinational series/parallel circuits, magnetism and magnetic circuits, motors and generators, sine waves, capacitors, inductors, series and parallel ac circuits and transducers. For electronics technicians and assemblers or operators.

Book Information

Hardcover: 528 pages

Publisher: Pearson; 1 edition (March 13, 2004)

Language: English

ISBN-10: 0130875651

ISBN-13: 978-0130875655

Product Dimensions: 8.4 x 1 x 10.9 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 starsÂ Â See all reviewsÂ (10 customer reviews)

Best Sellers Rank: #696,017 in Books (See Top 100 in Books) #77 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #1438 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics #1989 inÂ Books > Engineering & Transportation > Engineering > Telecommunications & Sensors

Customer Reviews

This is going to be brief...The book walks you through the lab project and asks you to record your observations and/or calculations, but in my humble opinion they could've given more detailed instructions with the project setups. In other words, this is where the instructor comes in and fills in the gaps. To get this for personal use is not necessarily a good choice as there are other more exciting books out there, though for school use it is good enough. I own it, I am going for an electronics major, I personally thought this book was good, but not great.

This book is a must have for anyone learning electronics. This is the second time I have purchased this book; I lent the first one out, and it went bye-bye.

Needed this book for a low voltage school I am attending. Great knowledge.

Excellent condition, just as described.

Well written, explains things clearly

Digital Electronics: A Primer : Introductory Logic Circuit Design (Icp Primers in Electronics and Computer Science) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series 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) The Science of Electronics: DC/AC The Science Fiction Hall of Fame, Volume Two B: The Greatest Science Fiction Novellas of All Time Chosen by the Members of the Science Fiction Writers of America (SF Hall of Fame) The Science Explorer: The Best Family Activities and Experiments from the World's Favorite Hands-On Science Museum (Exploratorium Science-At-Home Book) Exploring Science Through Science Fiction (Science and Fiction) 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