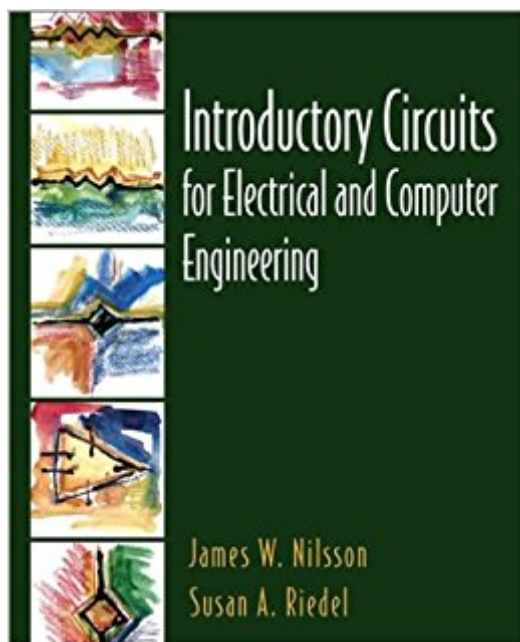The book was found

Introductory Circuits For Electrical And Computer Engineering

Synopsis

Readers benefit because the book is based on these three themes: (1) it builds an understanding of concepts based on information the reader has previously learned; (2) it helps stress the relationship between conceptual understanding and problem-solving approaches; (3) the authors provide numerous examples and problems that use realistic values and situations to give users a strong foundation of engineering practice. The book also includes a PSpice Supplement which contains problems to teach readers how to construct PSpice source files; and this PSpice Version 9.2 can be used to solve many of the exercises and problems found in the book.   Topical emphasis is on the basic techniques of circuit analysisâ"Illustrated via a Digital-to-Analog Resistive Ladder (Chapter 2); the Flash Converter (Chapter 4); Dual Slope Analog-to-Digital Converter (Chapter 5); Effect of parasite inductance on the step response of a series RLC circuit (Chapter 6); a Two-Stage RC Ladder Network (Chapter 8); and a Switching Surge Voltage (Chapter 9).   For Electrical and Computer Engineers.

Book Information

Paperback: 576 pages

Publisher: Pearson; 1 edition (October 18, 2001)

Language: English

ISBN-10: 0130198552

ISBN-13: 978-0130198556

Product Dimensions: 7.9 x 1.3 x 9.2 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 1.9 out of 5 stars   10 customer reviews

Best Sellers Rank: #801,945 in Books (See Top 100 in Books)   #102 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems   #247 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design   #1690 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics

Customer Reviews

About the Authors   James W. Nilsson taught at Iowa State University for 39 years. Since retiring from Iowa State, he has been a visiting professor at Notre Dame, California Polytechnic at San Luis Obispo, and the United States Air Force Academy. In 1962, he co-authored (with R. G. Brown) Introduction to Linear Systems Analysis (John Wiley & Sons). In 1968, he authored Introduction to Circuits, Instruments, and Electronics (Harcourt Brace and World). Professor Nilsson received a

Standard Oil Outstanding Teacher Award in 1968, the IEEE Undergraduate Teaching Award in 1992, and the McGraw-Hill Jacob Millman Award in 1995. In 1995 he was elected a Fellow of the IEEE. Susan A. Riedel has been a member of the Department of Electrical and Computer Engineering, Marquette University since 1981. She also holds a clinical research appointment with the Department of Orthopaedics, Medical College of Wisconsin. She was a visiting professor with the Bioengineering Unit, University of Strathclyde, Glascow, Scotland, as a Fulbright Scholar during the 1989-1990 academic year. She has received two awards for teaching excellence at Marquette, and was recognized for her research contributions with an award from the Chicago Unit of the Shriner's Hospitals.

Professor James W. Nilsson taught at Iowa State University for 39 years. Since retiring from Iowa State, he has been a visiting professor at Notre Dame, California Polytechnic at San Luis Obispo, and the United States Air Force Academy. In 1962, he co-authored (with R.G. Brown) Introduction to Linear Systems Analysis (John Wiley & Sons). In 1968, he authored Introduction to Circuits, Instruments, and Electronics (Harcourt Brace and World). Professor Nilsson received a Standard Oil Outstanding Teacher Award in 1968, the IEEE Undergraduate Teaching Award in 1992, and the McGraw-Hill Jacob Millman Award in 1995. In 1990, he was elected to the rank of Fellow of the Institute of Electrical and Electronics Engineers.   Professor Susan A. Riedel has been a member of the Department of Electrical and Computer Engineering at Marquette University since 1981. She also holds a clinical research appointment in the Department of Orthopaedics at the Medical College of Wisconsin and was a visiting professor in the Bioengineering Unit at the University of Strathclyde, Glasgow, Scotland, as a Fulbright Scholar during the 1989-1999 academic year. She has received two awards for teaching excellence at Marquette, and was recognized for her research contributions with an award from the Chicago Unit of the Shriner's Hospitals.

This book was required for a course, and the previous reviewers are correct...this book sucks. Also, I ordered the hardcover edition of this book, yet in it's infinite wisdom (or is that total stupidity) sent me the softcover edition. Three weeks into the course and the binding is failing. Can't return the book because I need to have it in class, and I refuse to spend more money with a company that is unable to fulfill a simple order. , you suck at least as much as this book does! Perhaps Barnes and Noble will know the difference between hardcover and softcover.

This book is not very helpful! It needs better examples and more info. I was disapointed, would not

reccomend getting this book

I have a Bachelor's and Master's in Electronics and I decided to read this book to sharpen my skills. From the first chapter I felt incompetent and lost. This book makes simple concepts seem very difficult to grasp and in the drill exercises and examples, what the question is actually asking is unclear unless you go through the solution first. This is a very poor choice of recommendation as an introductory text. I'll still try to go through it as a challenge but I would definitely NOT recommend this book for anyone who's learning.

If anyone tells you this is a good book, then they are receiving bribes from Prentice Hall. The only possible explanation I can think of that would explain the use of this book, is if the class is intended to 'weed out' 90 percent of the students. This is by far the most terrible excuse for a textbook I have ever seen. It teaches the most basic concepts of circuits, but yet it practically assumes you already know them, because it doesn't bother to work any examples out. If these authors were teaching nuclear physics, they would give you an intimidating equation, hand you a chunk of uranium, and expect you to build a power plant without hurting yourself. I have found countless typos (I might mention that I own the 6th edition), several problems that even my professor claims are incorrect, and most of all, I cannot follow the logic presented whatsoever. I have taken many classes that were extremely difficult, and for the most part, I have done well. However, this book presents material that is trivial in comparison, but the book goes right over my head. Only after the professor 'decodes' the text can I understand what the authors intended to say. I will also add that I took 4 semesters of calculus through a distance learning class where I had no instructor at all and got As in all of those classes. I am perfectly capable of understanding a well written book. This book is truly so poor, I would be impressed if Einstein himself didn't scratch his eyebrows off after reading it.Please, for the love of all things sacred, complain to everyone you know about this textbook so it can disappear from the shelves of University bookstores.

This text book is absolutely horrible. I'm a third-year Mech Eng student. I've taken plenty of classes on hard subjects, so I know when a text book just plain sucks. This book does a pathetic job of explaining examples and basic concepts. I've spent hours trying to figure out assumptions that they should have just mentioned in the first place. And the poorly explained examples don't prepare you for the actual chapter problems. Because of the "wordy" writing style of the authors, basic concepts sound more complicated than they actually are; getting through the reading is a slow and tedious

process. The book is utterly sterile. The only colors you'll see inside it are black and a little blue; there isn't even a picture of an actual circuit in this book. It's like it's writen for a machine.

I'm a second year EE engineering student with 20 years of electronics background in repairing, circuit analysis, and troubleshooting. This book is absolutely worthless. The auther jumps to great leaps of understanding with littel or no background to show the student how they got to those conclusions. The examples are non excistant. They use "conventional current" which is really backward to reality. It used to be called "hole theory" back in the day. Go with Boylstead or somone who has a clue about teaching. If your a beginning electronics student, forget this book, you'll be lost by the 1st chapter. There are countless problems too lengthy to go into detail here. If your school is using it, spend the extra money and get somthing to actually learn from, just to pass the course.

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