Introduction to Electronics, 4th edition

Earl Gates, Leo Chartrand
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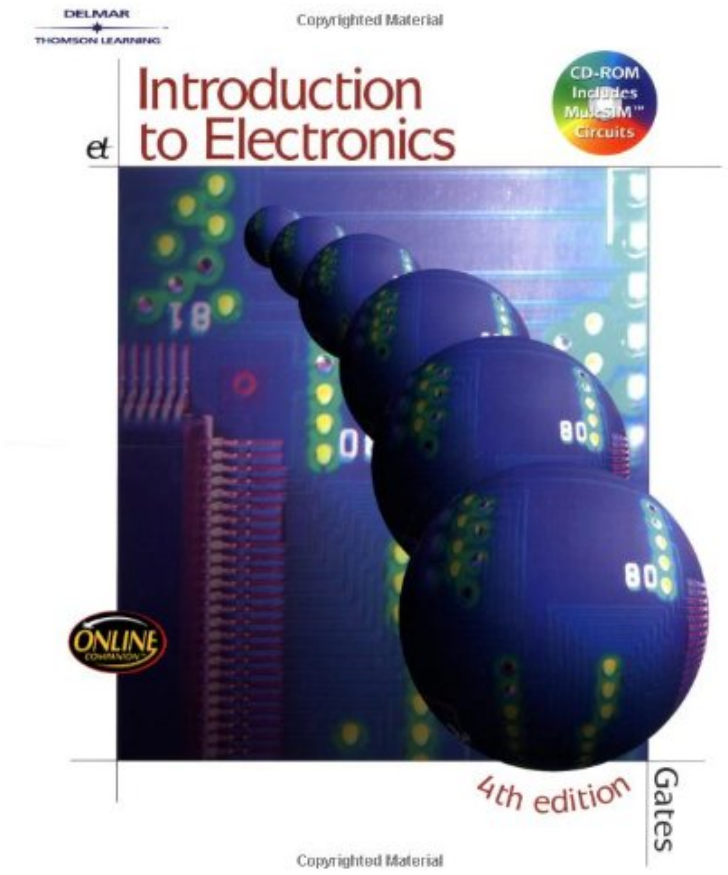

#837177 in Books Cengage Learning 2000-12-05Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.00 x 7.75 x .75l, 2.07 #File Name: 0766816982448 pages | File size: 63.Mb

Earl Gates, Leo Chartrand : Introduction to Electronics, 4th edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Electronics, 4th edition:

1 of 1 people found the following review helpful. I rented this for a class, but there are some misprints and mistakes in it.By Colin GlendonAll in all, these book has been very good for learning some electrical basics and concepts, but there are some problems.In chapter two, there is a misprinted chapter question that gets repeated, and in chapter eight, when explaining an equation it uses the word "Sum" when there is no addition involved. I think this is a little ridiculous, as this book is expensive and it is the sixth edition.I would think they would have gotten these things worked out by this point.0 of 0 people found the following review helpful. Best option to save some money!By WonderLoafIt is exactly what i expected! Perfect condition. No issues whatsoever.0 of 0 people found the following review helpful. Five StarsBy Pedro MillerExcellent book and service

Now in its fourth edition, Introduction to Electronics continues to offer its readers a complete introduction to basic electricity/electronics principles with emphasis on hands-on application of theory. Expanded discussion of Capacitive

AC, Inductive AC, and Resonance Circuits is just the beginning! For the first time, MultiSIM problems have been integrated into Introduction to Electronics, providing even greater opportunities to apply basic electronics principles and develop critical thinking skills by building, analyzing, and troubleshooting DC and AC circuits. In addition, this electron flow, algebra-based electricity/electronics primer now includes coverage of topics such as surface mount components, Karnaugh maps, and microcontrollers that are becoming increasingly important in today's world. Introduction to Electronics is the ideal choice for readers with no prior electronics experience who seek a basic background in DC and AC circuits that aligns closely with today's business and industry requirements. Objectives are clearly stated at the beginning of each brief, yet highly focused chapter to focus attention on key points. In addition, all-new photographs are used throughout the book and detailed, step-by-step examples are included to show how math and formulas are used. Chapter-end review questions and summaries ensure mastery, while careers are profiled throughout Introduction to Electronics, 4th Edition to stimulate the reader's interest in further study and/or potential employment in electronics or related fields.

INTRODUCTION: Career Opportunities, Using a Calculator, Safety Precaution. DC CIRCUITS: Fundamentals of Electricity, Current, Voltage, Resistance, Ohm's Law, Electrical measurements-Meters, Power, DC Circuits, Magnetism, Inductance, Capacitance. AC CIRCUITS: Alternating Current, AC Measurements, Resistive AC Circuits, Capacitive AC Circuits, Inductive AC Circuits, Resonance AC Circuits, Transformers. SEMICONDUCTOR DEVICES: Semiconductor Fundamentals, PN Junction Diodes, Bipolar Transistors, Field Effect Transistors, Thyristors, Integrated Circuits, Optoelectric Devices. LINEAR ELECTRONIC CIRCUITS: Power Supplies, Amplifier Basics, Amplifier Applications, Oscillators, Waveshaping Circuits. DIGITAL ELECTRONIC CIRCUITS: Binary number System, Basic Logic Gates, Simplifying Logic Circuits, Sequential Logic Circuits, Combinational Logic Circuits, Microprocessor Basics. APPENDICES: Scientific Notation, Periodic Table of Elements, Basic Formulas, Electronic Abbreviation, Greek Alphabet, Commonly Used Prefixes, Resistor Color Codes, Electronic Symbols, Semiconductor Schematic Symbols, Digital Logic Symbols.About the AuthorMr. Chartrand holds a Bachelor of Science degree in electrical engineering from Queens university in Kingston Ontario. He has been teaching digital courses for 20 years at Niagara College in Welland , Ontario. Mr. Chartrand has made industry contributions with various designs including interfacing an infrared camera to a PC, creating a digital circuit board used as a PC training system, and designing a control pendant for an air-filled medical bed. He also worked as a plant engineer for General Motors.