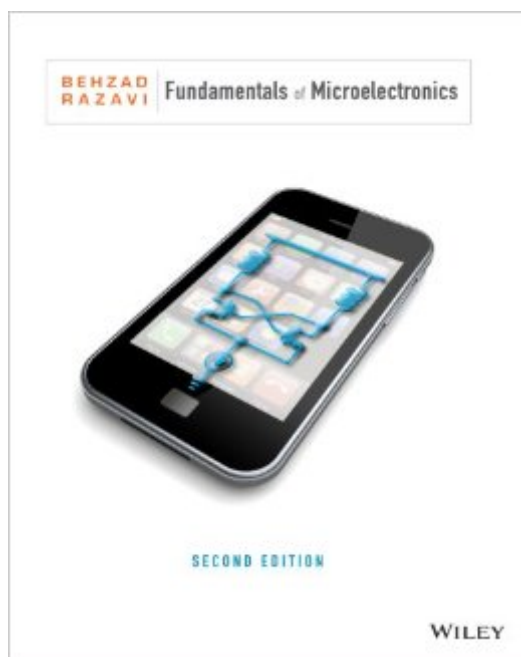The book was found

Fundamentals Of Microelectronics, 2nd Edition

Synopsis

By helping students develop an intuitive understanding of the subject, Fundamentals of Microelectronics teaches them to think like engineers. The second edition of Razaviâ ™s Fundamentals of Microelectronics retains its hallmark emphasis on analysis by inspection and building studentsâ ™ design intuition, and it incorporates a host of new pedagogical features that make it easier to teach and learn from, including: application sidebars, self-check problems with answers, simulation problems with SPICE and MULTISIM, and an expanded problem set that is organized by degree of difficulty and more clearly associated with specific chapter sections.

Book Information

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Customer Reviews

Our Library (including school library) puchases database shows that Adel Sedra and Ken Smith's books are outselling this fine Fundamentals text by about two to one. Perhaps it is because S and S have been around longer, but this is tragic! S and S are ok, but this text is FAR BETTER for undergrads and even advanced High School students! The explanations are the clearest I've ever

seen in ANY electronics, signal or circuit text. This is THE ONE.The other commonly used ME texts show a lot of math, problems and solutions, but aren't nearly as complete and intuitive as Fundamentals. The second edition of this gem is MUCH more complete on the analysis side as well.Both aspects of ME circuits can and do have complete courses and texts built around them--design vs. analysis. The reason this text is over 900 pages is that covering both in one text is a huge deal and a major undertaking. If the authors just spent half on one and half on the other it would be a waste of your time and money. Fortunately, the INTEGRATION of the two topics is wonderful here (and in real life you oscillate between design and analysis with your projects all the time).The best thing about this new edition in addition to the pedagogy bonuses other reviewers have mentioned is the beefed up sections on software. I'm an EE in Robotics design and patents, and we use VHDL/ Verilog, PSpice, the GNU free versions of Matlab with Simulink, numPy and many others all day long, and this text now takes the time to go over the real life applications in detail. The software versions and code examples also are more up to date than any other Micro text out there.The text starts out very basically/ easy with the usual Ohm's and Maxwell, but evolves all the way to Signals and Systems.

Fundamentals of Microelectronics, 2nd Edition Fundamentals of Microelectronics RF Microelectronics (2nd Edition) (Prentice Hall Communications Engineering and Emerging Technologies Series from Ted Rappaport) PIC Microcontrollers, Third Edition: An Introduction to Microelectronics PIC Microcontrollers, Second Edition: An Introduction to Microelectronics PIC Microcontrollers: An Introduction to Microelectronics Microelectronics Circuit Analysis and Design Analog Filters in Nanometer CMOS: 45 (Springer Series in Advanced Microelectronics) Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) Fundamentals of Office 365: 2016 Edition (Computer Fundamentals) Kozier & Erb's Fundamentals of Nursing (10th Edition) (Fundamentals of Nursing (Kozier)) Fundamentals of Hydrology (Routledge Fundamentals of Physical Geography) Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 7e (Fundamentals of Clinical Chemistry (Tietz)) Fundamentals of Biostatistics (Rosner, Fundamentals of Biostatics) Fundamentals of Geomorphology (Routledge Fundamentals of Physical Geography) Bowling Fundamentals (Sports Fundamentals) Bowling - Step By Step Guide For A Beginner To Learn The Fundamentals Of Bowling (Bowling fundamentals, Bowling Tips, Bowling Basics, Bowling Professional, Bowling Technique) Tennis Fundamentals (Sports Fundamentals) Volleyball Fundamentals (Sports Fundamentals) Racquetball Fundamentals (Sports Fundamentals)