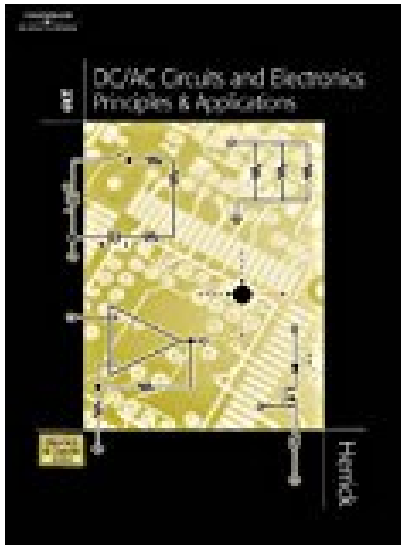


# DC AC Circuits & Electronics Principles & Applications Herrick & Jacob

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## BOOK DETAILS

- Author : Robert Herrick
- Pages : 576 Pages
- Publisher : Delmar Cengage Learning
- Language : English
- ISBN : 0766820831



## BOOK SYNOPSIS

The first in Delmar Learnings Herrick & Jacob Series, six tightly integrated electronics engineering technology texts, DC/AC Circuits and Electronics: Principles & Applications teaches readers how to apply basic laws and analysis techniques to traditional introductory circuits, as well as popular, real-world DC and AC circuits. Central to this book is its ability to engage readers who are new to the study of electronics in interesting and useful concepts from the start, guiding them in their efforts to learn how to develop and apply fundamental laws. Throughout the book, only those circuit theorems and analysis techniques that are practical and typically used in real-world circuit analysis are addressed. In addition, Kirchhoffs Current Law, Kirchhoffs Voltage Law and Ohms Law are introduced in separate, stand-alone chapters to ensure that the reader has a complete understanding of each law before attempting to apply all or part to traditional series and parallel circuits. Level and rigor make this book an ideal choice for use in programs accredited by the Accreditation Board for Engineering and Technology (ABET). In addition, the same circuits presented in DC/AC Circuits and Electronics: Principles & Applications also appear in subsequent books in this series, encouraging readers to enlarge the envelope of performance and revisit techniques as they gain increasingly sophisticated knowledge of circuit theories and operations. Benefits: attention-grabbing analog electronic circuits that use diodes, LEDs, BJTs, MOSFETs, and Op Amps improve retention rates by enabling novices to forge connections between principles and analysis techniques discussed in the book and real-world applications. a fundamental circuits approach provides a straightforward and highly effective means of visualizing electronics circuit analysis, offering a natural progression into analog electronics. MultiSIM simulations appear at strategic points in the

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