



Circuits, Devices and Systems: A First Course in Electrical Engineering, 5th Edition

By Ralph J. Smith, Richard C. Dorf

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Editorial Review

From the Back Cover

Circuits, Devices and Systems: A First Course in Electrical Engineering Fifth Edition Ralph J. Smith Richard C. Dorf Announcing the Fifth Edition of the leading circuits text in the field! This proven introduction presents integrated coverage of modern electrical engineering — circuits, digital and analog electronics, and electromechanics. Geared to undergraduate engineering majors taking the first course in electrical engineering, this comprehensive text features extensive treatment of microprocessors and how they have revolutionized electronic design. Throughout the text the emphasis is on preparing students to solve practical problems. Well-organized, worked-out examples, review questions, exercises, and problems illustrate new concepts, and each chapter features interesting motivational material, a set of objectives at the beginning of each chapter, and glossaries of new terms and concepts. Some of the outstanding features that have made previous editions so successful include:

- Chapters 13, 14, and 15 provide a treatment of digital electronics that is not available in other books
- Chapters 2–6 provide a balanced and integrated treatment of electrical circuits
- Early introduction of diodes and op amps in Chapter 3 and coverage of cathode-ray tubes in Chapter 10 provide interesting applications and background for a lab for the circuits part of your course
- Approximately 195 well-written, worked-out examples clearly illustrate concepts
- A bound instructor's guide with solutions for all exercises, problems, and advanced problems, and 150 transparency masters is available to adopters

You won't find a more up to date, teachable text for the first course in electrical engineering!

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