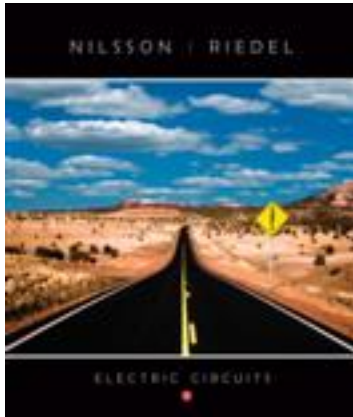


# Electric Circuits (Textbook)

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## Book Information



Author(s): James W. Nilsson, Iowa State University & Susan Riedel, Marquette University Publisher: Prentice Hall Copyright: 2008 Edition: 8 ISBN-13: 9780131989252 Buy the book Official Companion Website How NI Technology is Used: The attached Multisim circuit files explore exercises from the 8th edition of Electric Circuits. For sophomore level, one- or two-semester Introductory Circuit Analysis or Circuit Theory Courses taught in Electrical or Computer Engineering Departments.

Cited by *IEEE Spectrum* as an "up and coming classic in the field of circuits," *Electric Circuits* is the most widely used introductory circuits textbook. This revision of both text and robust supplements package features an increased emphasis on student and instructor assessment, a redesigned art program, a new four-color format, and abundant new or revised problems throughout.

The Eighth Edition retains the goals that have made this text a best-seller:

- 1) builds an understanding of concepts and ideas explicitly in terms of previous learning;
- 2) emphasizes the relationship between conceptual understanding and problem solving approaches;

3) provides students with a strong foundation of engineering practices.

### **Additional Multisim Resources**

- [NI Multisim User Guide](#)- describes Multisim and its many functions in detail. It is organized based on the stages of circuit design, and explains all aspects of Multisim, in detail.
- [SPICE Simulation Fundamentals](#) - provides tutorials and information on SPICE simulation, OrCAD pSPICE simulation, SPICE modeling, and other concepts in circuit simulation.
- [Circuit and Electronics Design Resources](#) -discover tools to enhance your circuit design courses using Multisim and LabVIEW. Explore circuit design concepts with detailed example circuits, labs, and multimedia tutorials.
- [Download Evaluation of Multisim Educator Edition](#) - the download contains 30-day evaluations of NI Multisim, NI Ultiboard, and the NI Multisim MCU Module Educator's Edition. With this evaluation you can learn how interactive simulation helps you understand circuits theory and complete lab assignments.