



Linear Circuit Analysis: Time Domain, Phasor, and Laplace Transform Approaches (The Oxford Series in Electrical and Computer Engineering)

By Raymond A. DeCarlo, Pen-Min Lin

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Designed for an introductory electric circuits course, the second edition of *Linear Circuit Analysis* provides authoritative and in-depth yet highly accessible coverage of traditional linear circuit analysis topics--both concepts and computation.

This second edition represents an exhaustive revision, featuring:

- Complete integration and extensive use of MATLAB® in solving problems and examples
- Frequent use of SPICE, especially with op amp circuits
- Twenty percent more examples and numerous additional illustrations
- Approximately three times as many exercises immediately following the examples
- More than 1000 end-of-chapter problems (approximately 25% more than the first edition, categorized and graded from the simpler to the more complex; this edition includes many new basic problems)
- Excellent pedagogical elements including case studies, motivational real-world illustrations, and key terms and concepts

A CD in each book! The CD contains:

- **Complete Solutions for Students to 10% of the Homework Exercises.** These solutions have been solved step-by-step by the authors and are installed on the disk in an Adobe Acrobat® file.

· **Additional MATLAB® Problems.** Designed to challenge students and extend their understanding of software tools, these complex MATLAB problems are contained on the CD in an Adobe Acrobat file. Solutions are available at www.decarlolin.org under "MATLAB Solutions."

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To extend the introduction to selected topics or provide additional practice we recommend the following additional items:

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SPICE, Second Edition by Gordon Roberts and Adel Sedra (0-19-510842-6) features over 100 examples and numerous exercises for computer-aided analysis of microelectronic circuits.

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