



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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