



The Analysis and Design of Linear Circuits, Student Solutions Manual

By Roland E. Thomas, Albert J. Rosa

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Now revised with a stronger emphasis on applications and more problems, this new Fourth Edition gives readers the opportunity to analyze, design, and evaluate linear circuits right from the start. The book's abundance of design examples, problems, and applications, promote creative skills and show how to choose the best design from several competing solutions.

- * Emphasis on circuit design. Integrated treatment of analysis and design enhances students understanding of circuit fundamentals. The text gets students involved in design early, so they can recognize how their newly acquired knowledge can be applied to practical situations.

- * Early introduction to the Op-Amp. The authors introduce students to the ideal Op-Amp early and often, allowing you to teach practical designs that students can actually build and use.

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Editorial Review

From the Publisher

This is the first basic circuits analysis textbook that causes students to think about and use engineering design for problem solving. No other text shows students a realistic, practical approach to circuit design. The integration of design concepts throughout the text will prove especially valuable in helping instructors meet the new ABET Engineering Design criteria.

From the Back Cover

Key Benefit: Unique in its approach, and highly practical and realistic in perspective, this truly modern introduction to basic linear circuit analysis and design shows readers how to think about and use engineering design for problem solving. **Key Topics:** It provides a thorough treatment of the basic principles of circuit analysis, but goes beyond analysis to show the applications of these principles to real-world design and evaluation problems. Throughout, design problems are used to motivate the discussion and to offer a valid alternative method of verifying comprehension of basic circuit concepts. This integration of design concepts and applications is especially valuable in helping instructors meet the ABET Engineering Design criteria. **Market:** For anyone interested in basic circuit analysis.

About the Author

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Albert J. Rosa, University of Denver

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