



Circuit Analysis: A Systems Approach

By Russell Mersereau, Joel Jackson

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This unique circuit analysis text was written from the perspective that circuits are implementations of continuous-time systems and stresses such system-related concepts as their frequency responses, system functions, and time-domain behavior. Intended for a one-semester course, *Circuit Analysis: A Systems Approach* builds upon the approach of the best-selling texts *DSP First* and *SP First* by McClellan et al. and assumes familiarity and makes extensive use of the transform domain for solving problems. Each chapter contains worked examples and is followed by problems, which are grouped into four categories: Drill Problems, Basic Problems, Advanced Problems, and Design Problems. Supplementary materials are available on a website. Materials include visualization and analysis tools designed to complement the text and increase student engagement and understanding. Solved problems and step-by-step solutions are available for instructors.

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Circuit Analysis: A Systems Approach By Russell Mersereau, Joel Jackson Bibliography

- Sales Rank: #2216138 in Books
- Published on: 2005-08-08
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 1.00" w x 8.40" l, 2.25 pounds
- Binding: Paperback
- 464 pages

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