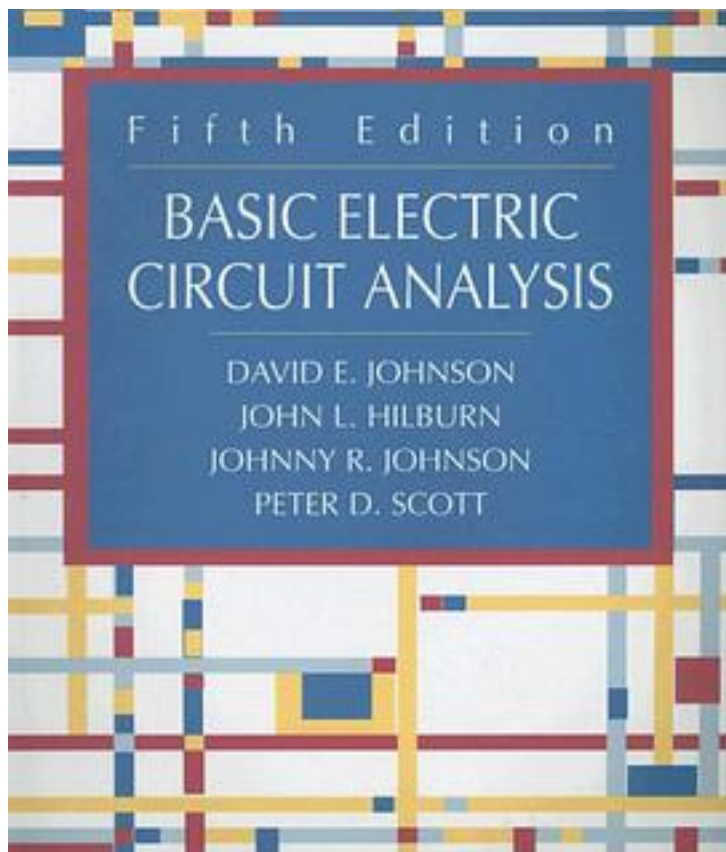


# Basic Electric Circuit Analysis



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This revision of a highly accessible best-seller is a succinct introduction to basic electric circuit analysis with balanced emphasis on time domain and frequency domain methods. The Fifth Edition has retained the format and features that have been well-received in previous editions, while being thoroughly revised to reflect recent trends and advances. The goal of this revision has been to clarify the flow of ideas through changes in order and emphasis, maintain a high degree of accessibility,

and provide new examples and problems. This text is appropriate for one-or two-term introductory circuit analysis courses at the sophomore level for majors or non-majors. Other Key Features \* balanced emphasis given to the complementary time, phasor, and s domain approaches, which are the core of modern linear circuit analysis. \* New-modern op amp is presented as a versatile linear circuit element. \* New-highly motivational use of op amps with SPICE for exploratory active circuit design. \* optional SPICE tutorial material placed in clearly marked sections that can be skipped or de-emphasized. No reliance on SPICE or other computer methods in the remaining sections. \* all new end-of-chapter problems with a broad range of difficulty. Problems reinforce each exercise and example presented in the chapter. \* most solved examples and answered exercises are new, and many include practical, real world applications. \* new material on Bode plots and frequency-domain circuit performance. \* NEW-key equations are followed by a brief explanation to increase student comprehension of important mathematical concepts. \* New-addition of chapter summaries.

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