# Engineering Circuit Analysis

Ninth Edition



Mc Graw Hill Education

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## ENGINEERING CIRCUIT ANALYSIS

NINTH EDITION

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#### **ENGINEERING CIRCUIT ANALYSIS**

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Now in its Ninth Edition, *Engineering Circuit Analysis* introduces students to the analysis of linear electric circuits from a practical engineering perspective. Students are also exposed to detailed aspects of developing methodical problem-solving skills and the application of computer-aided analysis.

#### **Key Features**

- Over 1000 new and revised end-of-chapter problems.
- Dedicated coverage of the concept of energy and calculations related to circuit power consumption and energy storage in batteries.
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  in each chapter to broader concepts in engineering. Topics include distortion
  in amplifiers, circuits to measure an electrocardiogram, automated external
  defibrillators, practical aspects of grounding, the relationship of poles to stability,
  resistivity, and the memristor, sometimes called "the missing element."

#### **About the Cover**

The rapid developments we have experienced in communications over the past decade make engineering much more of a global activity than ever before, with many projects spanning multiple continents. Circuit analysis remains a cornerstone of electrical engineering, as well as many other engineering fields, so the authors selected this image to represent how the foundation of circuits enables engineers to make a difference on multiple scales.

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