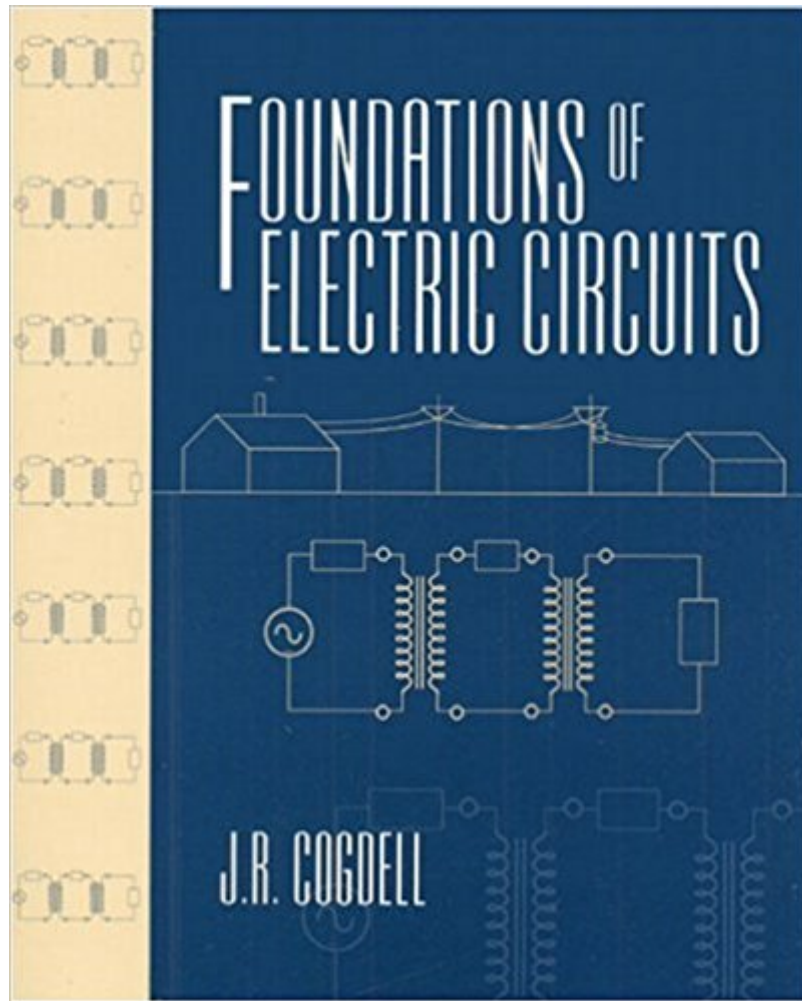




The book was found

Foundations Of Electric Circuits



Synopsis

Provides detailed, clear explanations of the fundamentals of electrical engineering, keeping readers focused on the basics. Maintains a strong emphasis on vocabulary throughout, encouraging further thought and communication based on chapter discussions. This book carefully explores the unifying themes of Electrical Engineering, maintaining a low level of detail and abstract theory. Topics include: Basic Circuit Theory, The Analysis of DC Circuits, The Dynamics of Circuits, The Analysis of AC Circuits, Linear Systems, Power in AC Circuits, and Electric Power Systems.

Book Information

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Average Customer Review: 3.7 out of 5 stars 5 customer reviews

Best Sellers Rank: #76,660 in Books (See Top 100 in Books) #5 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #25 in Books > Science & Math > Physics > Electromagnetism > Electricity #112 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics

Customer Reviews

Extracted from the highly successful Foundations of Electrical Engineering by the same author, this book designed for a non-major, one-semester course with coverage of electric circuits, introduces concepts and vocabulary that are defined clearly and accurately, key unifying ideas in electric circuits are identified with icons in the margins, and problem solving techniques are presented in the many examples. The book presents basic circuit analysis techniques, first and second-order transient analysis, AC circuit theory, transient and steady state circuit analysis based on complex numbers, and an introduction to electric power systems. The presentation assumes knowledge of basic physics and calculus and is ideal for electrical engineering students with one course in circuits. Used with Foundations of Electronics, this book is ideal for a one-semester course in circuits and electronics for physics, engineering, or computer science students.

FEATURES/BENEFITS Emphasis is placed on clear definitions of concepts and vocabulary.

Problems are offered at three levels: "What if" problems extending examples in the text, with answers; "Check our understanding" problems after each major section, with answers, and extensive end-of-chapter problems identified with chapter sections, with answers for odd problems. Full pedagogical tools: chapter objectives, marginal aids, chapter summaries, chapter glossaries tied to context, and a complete index.

works great

Didn't use it much, logic is difficult to follow.

Great book

I used this in a required engineering course on Electrical Engineering for non-EE majors. This was a great reference and I still keep it on my bookshelf years later. The example problems were done step-by-step and the techniques laid out were easy to extrapolate into the assigned problems at the end of each chapter. I dislike it when books skip too many steps in the example problems. Overall, the book is lightweight and a great size without skimping on being comprehensive. Highly recommended.

The book is not written well, but it is the least expensive book with the needed information I could find.

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