

Schaum's Outline of Electromagnetics, Fifth Edition: Comprehensive Solutions for Electromagnetic Theory

Electromagnetics is a fundamental branch of physics that deals with the interactions between electric and magnetic fields and their effects on matter. It is a vast and complex subject, but Schaum's Outline of Electromagnetics, Fifth Edition makes it easy to understand.



Schaum's Outline of Electromagnetics, Fifth Edition (Schaum's Outlines) by Thomas J. Whalen

★★★★☆ 4.7 out of 5

Language : English
File size : 94117 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 400 pages



This comprehensive study guide provides an in-depth review of the fundamentals of electromagnetics, including vector analysis, electric fields, magnetic fields, electromagnetic waves, and more. With solved problems, practice exercises, and detailed explanations, Schaum's Outline of Electromagnetics is the ideal resource for students, practicing engineers, and anyone seeking a deeper understanding of this essential subject.

Key Features

- **Over 400 solved problems** to reinforce your understanding
- **Hundreds of practice exercises** to test your skills
- **Detailed explanations** of electromagnetic theory concepts
- **Clear and concise writing style** that makes learning easy

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2. **Electrostatic Fields**
3. **Magnetostatic Fields**
4. **Maxwell's Equations**
5. **Electromagnetic Waves**
6. **Transmission Lines**
7. **Waveguides**
8. **Antennas**

Benefits of Using Schaum's Outline of Electromagnetics, Fifth Edition

- **Master the fundamentals of electromagnetics.** Schaum's Outline of Electromagnetics provides a comprehensive review of the fundamentals of electromagnetics, including vector analysis, electric fields, magnetic fields, electromagnetic waves, and more.
- **Solve real-world problems.** With over 400 solved problems, Schaum's Outline of Electromagnetics helps you apply your understanding of electromagnetic theory to solve real-world problems.

- **Prepare for exams.** Schaum's Outline of Electromagnetics is a valuable resource for students preparing for exams. The solved problems and practice exercises help you identify your strengths and weaknesses and pinpoint areas where you need more study.
- **Enhance your understanding of electromagnetic theory.** Schaum's Outline of Electromagnetics is a great way to enhance your understanding of electromagnetic theory. The clear and concise writing style makes learning easy, and the solved problems and practice exercises help you reinforce your understanding.

Who Should Use Schaum's Outline of Electromagnetics, Fifth Edition?

Schaum's Outline of Electromagnetics, Fifth Edition is ideal for:

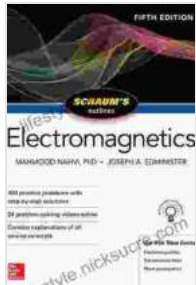
- **Students** taking an introductory or intermediate course in electromagnetics
- **Practicing engineers** who need a refresher course in electromagnetics
- **Anyone** who wants to learn more about electromagnetics

About the Author

Joseph A. Edminister is a professor emeritus of electrical engineering at the University of Rochester. He is the author of several textbooks on electromagnetics, including Schaum's Outline of Electromagnetics, Fifth Edition.

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