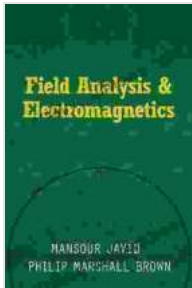


Unlock the Secrets of Electromagnetism with "Field Analysis and Electromagnetics": A Comprehensive Guide for Engineers and Scientists

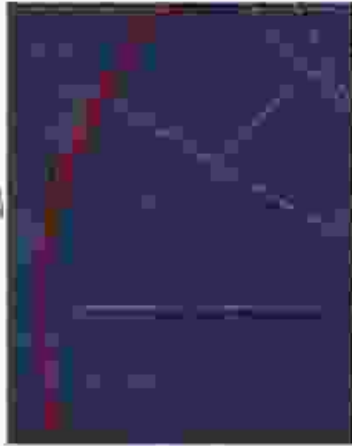


Field Analysis and Electromagnetics (Dover Books on Physics) by Collins Easy Learning

★★★★☆ 4.7 out of 5

Language	: English
File size	: 47167 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
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Lending	: Enabled
X-Ray for textbooks	: Enabled
Screen Reader	: Supported
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FIELD AND WAVE ELECTROMAGNETICS

DAVID K. CHENG
SYRACUSE UNIVERSITY



ADDISON-WESLEY PUBLISHING COMPANY

Reading, Massachusetts / Menlo Park, California
London / Amsterdam / Don Mills, Ontario / Sydney

Electromagnetism is a fundamental force that permeates our world, governing the behavior of electricity, magnetism, and light. Understanding electromagnetism is essential for engineers and scientists across a wide range of disciplines, from electrical engineering and physics to optics and communication.

"Field Analysis and Electromagnetics" by David K. Cheng is a renowned textbook that provides a comprehensive and rigorous treatment of electromagnetism. This authoritative guide empowers readers with a deep understanding of the subject, enabling them to analyze and solve complex electromagnetic problems encountered in research and industry.

Key Features

- **In-depth coverage of electromagnetic theory:** Beginning with the basics, the book progressively builds a solid foundation in electromagnetism, covering Maxwell's equations, boundary value problems, wave propagation, and more.
- **Advanced field analysis techniques:** Readers will delve into advanced topics such as the finite element method, boundary element method, and scattering matrix techniques, equipping them with essential computational skills for solving real-world problems.
- **Extensive applications:** The book showcases the practical applications of electromagnetism in various fields, including antenna theory, radar, microwave engineering, optics, and photonics.
- **Problem-solving exercises:** Each chapter concludes with numerous solved and unsolved problems, fostering readers' understanding and problem-solving abilities.
- **Clear and concise presentation:** The book is written in a lucid and engaging style, making complex concepts accessible to both students and practicing professionals.

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"Field Analysis and Electromagnetics" is an invaluable resource for:

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Reviews

"Field Analysis and Electromagnetics" has received widespread acclaim from both students and professionals:



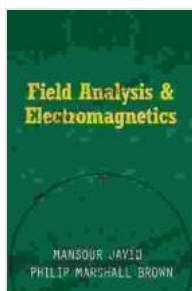
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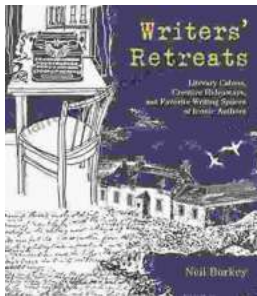
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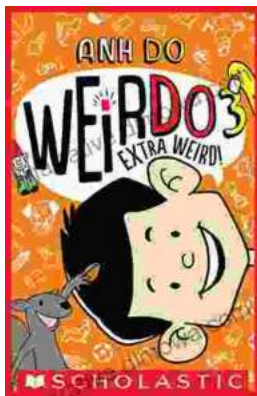
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