

Fundamentals Of Engineering Electromagnetics Cheng

Modeling and Application of Electromagnetic and Thermal Field in Electrical Engineering
Engineering Electromagnetics Fundamentals of Engineering Electromagnetics
Electromagnetic Fields and Waves Foundations of Gas Dynamics
Electromagnetic Field Theory Fundamentals of Applied Electromagnetics
Fundamentals of Engineering Electromagnetics: Pearson New International Edition
Advanced Engineering Electromagnetics Electromagnetic Fields and Waves
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Essentials of Electromagnetics for Engineering Fundamentals of Engineering Electromagnetics
Essentials of Electromagnetics for Engineering No-Nonsense Electrodynamics
Fundamentals of Applied Electromagnetics, Global Edition Clinical Anatomy Made Ridiculously Simple
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Bioinspired Structures and Design Handbook of Engineering Electromagnetics
Engineering Electromagnetic Fields and Waves Electromagnetics in Magnetic Resonance Imaging
Engineering Electromagnetics Materials Processing Fundamentals 2020 Fundamentals of Engineering
Electromagnetics Linear Systems and Signals Electromagnetic Metamaterials Field and Wave
Electromagnetics Handbook of Engineering Electromagnetics Electromagnetic Field

Theories for Engineering
Engineering Electromagnetics
Electromagnetics for Engineering Students Part I
Elements of Electromagnetics
Elements of Electromagnetics
Fundamentals of Engineering Design
Magnetic Resonance Imaging
Schaum's Outline of Electromagnetics, Fifth Edition
A Student's Guide to Maxwell's Equations

Modeling and Application of Electromagnetic and Thermal Field in Electrical Engineering

Engineers do not have the time to wade through rigorously theoretical books when trying to solve a problem. Beginners lack the expertise required to understand highly specialized treatments of individual topics. This is especially problematic for a field as broad as electromagnetics, which propagates into many diverse engineering fields. The time h

Engineering Electromagnetics

Guru and Hizioglu have produced an accessible and user-friendly text on electromagnetics that will appeal to both students and professors teaching this course. This lively book includes many worked examples and problems in every chapter, as well as chapter summaries and background revision material where

appropriate. The book introduces undergraduate students to the basic concepts of electrostatic and magnetostatic fields, before moving on to cover Maxwell's equations, propagation, transmission and radiation. Chapters on the Finite Element and Finite Difference method, and a detailed appendix on the Smith chart are additional enhancements. MathCad code for many examples in the book and a comprehensive solutions set are available at www.cambridge.org/9780521830164.

Fundamentals of Engineering Electromagnetics

In the past few decades, Magnetic Resonance Imaging (MRI) has become an indispensable tool in modern medicine, with MRI systems now available at every major hospital in the developed world. But for all its utility and prevalence, it is much less commonly understood and less readily explained than other common medical imaging techniques. Unlike optical, ultrasonic, X-ray (including CT), and nuclear medicine-based imaging, MRI does not rely primarily on simple transmission and/or reflection of energy, and the highest achievable resolution in MRI is orders of magnitude smaller than the smallest wavelength involved. In this book, MRI will be explained with emphasis on the magnetic fields required, their generation, their concomitant electric fields, the various interactions of all these fields with the subject being imaged, and the implications of these interactions to image quality and patient safety. Classical electromagnetics will be used to describe aspects from the fundamental phenomenon of nuclear precession through

signal detection and MRI safety. Simple explanations and Illustrations combined with pertinent equations are designed to help the reader rapidly gain a fundamental understanding and an appreciation of this technology as it is used today, as well as ongoing advances that will increase its value in the future. Numerous references are included to facilitate further study with an emphasis on areas most directly related to electromagnetics.

Electromagnetic Fields and Waves

This comprehensive introduction to classical electromagnetic theory covers the major aspects, including scalar fields, vectors, laws of Ohm, Joule, Coulomb, Faraday, Maxwell's equation, and more. With numerous diagrams and illustrations.

Foundations of Gas Dynamics

A systemic approach to clinical anatomy with a high picture-to-text ratio. Learning occurs through conceptual diagrams, ridiculous associations, and a strong focus on clinical relevance

Electromagnetic Field Theory

CD-ROM contains: Demonstration exercises -- Complete solutions -- Problem statements.

Fundamentals of Applied Electromagnetics

Fundamentals of Applied Electromagnetics is intended for use in one- or two-semester courses in Electromagnetics. Widely acclaimed both in the U.S. and abroad, this authoritative text bridges the gap between circuits and electromagnetics material. Coverage begins with transmission lines, leading students from familiar concepts into more advanced topics and applications. A student-friendly approach, full-color figures and images, and a set of interactive simulations will help students develop a deeper understanding of electromagnetic concepts and applications.

Fundamentals of Engineering Electromagnetics: Pearson New International Edition

The basic objective of this highly successful text--to present the concepts of electromagnetics in a style that is clear and interesting to read--is more fully-realized in this Second Edition than ever before. Thoroughly updated and revised, this two-semester approach to fundamental concepts and applications in

electromagnetics begins with vector analysis--which is then applied throughout the text. A balanced presentation of time-varying fields and static fields prepares students for employment in today's industrial and manufacturing sectors. Mathematical theorems are treated separately from physical concepts. Students, therefore, do not need to review any more mathematics than their level of proficiency requires. Sadiku is well-known for his excellent pedagogy, and this edition refines his approach even further. Student-oriented pedagogy comprises: chapter introductions showing how the forthcoming material relates to the previous chapter, summaries, boxed formulas, and multiple choice review questions with answers allowing students to gauge their comprehension. Many new problems have been added throughout the text.

Advanced Engineering Electromagnetics

Co-authored by an international research group with a long-standing cooperation, this book focuses on engineering-oriented electromagnetic and thermal field modeling and application. It presents important contributions, including advanced and efficient finite element analysis used in the solution of electromagnetic and thermal field problems for large and multi-scale engineering applications involving application script development; magnetic measurement of both magnetic materials and components under various, even extreme conditions, based on well-established (standard and non-standard) experimental systems; and multi-level

validation based on both industrial test systems and extended TEAM P21 benchmarking platform. Although these are challenging topics, they are useful for readers from both academia and industry.

Electromagnetic Fields and Waves

Electromagnetics is too important in too many fields for knowledge to be gathered on the fly. A deep understanding gained through structured presentation of concepts and practical problem solving is the best way to approach this important subject. Fundamentals of Engineering Electromagnetics provides such an understanding, distilling the most important theoretical aspects and applying this knowledge to the formulation and solution of real engineering problems. Comprising chapters drawn from the critically acclaimed Handbook of Engineering Electromagnetics, this book supplies a focused treatment that is ideal for specialists in areas such as medicine, communications, and remote sensing who have a need to understand and apply electromagnetic principles, but who are unfamiliar with the field. Here is what the critics have to say about the original work "accompanied with practical engineering applications and useful illustrations, as well as a good selection of references those chapters that are devoted to areas that I am less familiar with, but currently have a need to address, have certainly been valuable to me. This book will therefore provide a useful resource for many engineers working in applied electromagnetics, particularly those in the early

stages of their careers." -Alastair R. Ruddle, The IEE Online "a tour of practical electromagnetics written by industry experts provides an excellent tour of the practical side of electromagnetics a useful reference for a wide range of electromagnetics problems a very useful and well-written compendium" -Alfy Riddle, IEEE Microwave Magazine Fundamentals of Engineering Electromagnetics lays the theoretical foundation for solving new and complex engineering problems involving electromagnetics.

Electromagnetics For Engineers (With Cd)

Preceded by Magnetic resonance imaging: physical principles and sequence design / E. Mark Haacke [et al.]. c1999.

Electrolytes for Electrochemical Supercapacitors

Learning Electrodynamics doesn't have to be boring What if there was a way to learn Electrodynamics without all the usual fluff? What if there were a book that allowed you to see the whole picture and not just tiny parts of it? Thoughts like this are the reason that No-Nonsense Electrodynamics now exists. What will you learn from this book? Get to know all fundamental electrodynamical concepts —Grasp why we can describe electromagnetism using the electric and magnetic field, the

Read Online Fundamentals Of Engineering Electromagnetics Cheng

electromagnetic field tensor and the electromagnetic potential and how these concepts are connected. Learn to describe Electrodynamics mathematically — Understand the meaning and origin of the most important equations: Maxwell's equations & the Lorentz force law. Master the most important electrodynamical systems — read step-by-step calculations and understand the general algorithm we use to describe them. Get an understanding you can be proud of — Learn why Special Relativity owes its origins to Electrodynamics and how we can understand it as a gauge theory. No-Nonsense Electrodynamics is the most student-friendly book on Electrodynamics ever written. Here's why. First of all, it's nothing like a formal university lecture. Instead, it's like a casual conversation with a more experienced student. This also means that nothing is assumed to be "obvious" or "easy to see". Each chapter, each section, and each page focusses solely on the goal to help you understand. Nothing is introduced without a thorough motivation and it is always clear where each formula comes from. The book contains no fluff since unnecessary content quickly leads to confusion. Instead, it ruthlessly focusses on the fundamentals and makes sure you'll understand them in detail. The primary focus on the readers' needs is also visible in dozens of small features that you won't find in any other textbook. In total, the book contains more than 100 illustrations that help you understand the most important concepts visually. In each chapter, you'll find fully annotated equations and calculations are done carefully step-by-step. This makes it much easier to understand what's going on in. Whenever a concept is used which was already introduced previously, there is a

short sidenote that reminds you where it was first introduced and often recites the main points. In addition, there are summaries at the beginning of each chapter that make sure you won't get lost.

Essentials of Electromagnetics for Engineering

Electromagnetic metamaterials—from fundamental physics to advanced engineering applications This book presents an original generalized transmission line approach associated with non-resonant structures that exhibit larger bandwidths, lower loss, and higher design flexibility. It is based on the novel concept of composite right/left-handed (CRLH) transmission line metamaterials (MMs), which has led to the development of novel guided-wave, radiated-wave, and refracted-wave devices and structures. The authors introduced this powerful new concept and are therefore able to offer readers deep insight into the fundamental physics needed to fully grasp the technology. Moreover, they provide a host of practical engineering applications. The book begins with an introductory chapter that places resonant type and transmission line metamaterials in historical perspective. The next six chapters give readers a solid foundation in the fundamentals and practical applications: Fundamentals of LH MMs describes the fundamental physics and exotic properties of left-handed metamaterials TL Theory of MMs establishes the foundations of CRLH structures in three progressive steps: ideal transmission line, LC network, and real distributed structure Two-Dimensional

MMs develops both a transmission matrix method and a transmission line method to address the problem of finite-size 2D metamaterials excited by arbitrary sources. Guided-Wave Applications and Radiated-Wave Applications present a number of groundbreaking applications developed by the authors. The Future of MMs sets forth an expert view on future challenges and prospects. This engineering approach to metamaterials paves the way for a new generation of microwave and photonic devices and structures. It is recommended for electrical engineers, as well as physicists and optical engineers, with an interest in practical negative refractive index structures and materials.

Fundamentals of Engineering Electromagnetics

Engineers do not have the time to wade through rigorously theoretical books when trying to solve a problem. Beginners lack the expertise required to understand highly specialized treatments of individual topics. This is especially problematic for a field as broad as electromagnetics, which propagates into many diverse engineering fields. The time h

Essentials of Electromagnetics for Engineering

A clearly written introduction to the key physical and engineering principles of

electromagnetics, first published in 2000.

No-Nonsense Electrodynamics

Fundamental of Engineering Electromagnetics not only presents the fundamentals of electromagnetism in a concise and logical manner, but also includes a variety of interesting and important applications. While adapted from his popular and more extensive work, Field and Wave Electromagnetics, this text incorporates a number of innovative pedagogical features. Each chapter begins with an overview which serves to offer qualitative guidance to the subject matter and motivate the student. Review questions and worked examples throughout each chapter reinforce the student's understanding of the material. Remarks boxes following the review questions and margin notes throughout the book serve as additional pedagogical aids.

Fundamentals of Applied Electromagnetics, Global Edition

Clinical Anatomy Made Ridiculously Simple

Electromagnetics for Engineering Students starts with an introduction to vector

analysis and progressive chapters provide readers with information about dielectric materials, electrostatic and magnetostatic fields, as well as wave propagation in different situations. Each chapter is supported by many illustrative examples and solved problems which serve to explain the principles of the topics and enhance the knowledge of students. In addition to the coverage of classical topics in electromagnetics, the book explains advanced concepts and topics such as the application of multi-pole expansion for scalar and vector potentials, an in depth treatment for the topic of the scalar potential including the boundary-value problems in cylindrical and spherical coordinates systems, metamaterials, artificial magnetic conductors and the concept of negative refractive index. Key features of this textbook include:

- detailed and easy-to follow presentation of mathematical analyses and problems
- a total of 681 problems (162 illustrative examples, 88 solved problems, and 431 end of chapter problems)
- an appendix of mathematical formulae and functions

Electromagnetics for Engineering Students is an ideal textbook for first and second year engineering students who are learning about electromagnetism and related mathematical theorems.

Fundamentals of Engineering Electromagnetics

Gauss's law for electric fields, Gauss's law for magnetic fields, Faraday's law, and the Ampere–Maxwell law are four of the most influential equations in science. In this guide for students, each equation is the subject of an entire chapter, with

detailed, plain-language explanations of the physical meaning of each symbol in the equation, for both the integral and differential forms. The final chapter shows how Maxwell's equations may be combined to produce the wave equation, the basis for the electromagnetic theory of light. This book is a wonderful resource for undergraduate and graduate courses in electromagnetism and electromagnetics. A website hosted by the author at www.cambridge.org/9780521701471 contains interactive solutions to every problem in the text as well as audio podcasts to walk students through each chapter.

Electromagnetic Field Theory Fundamentals

This reference includes an applications focus on jet and rocket propulsion systems that will be useful for students and engineers.

Bioinspired Structures and Design

A delicious meal can take you to places that you have never been! Explore the great Cooking styles of the world in your own kitchen as you try recipes from the I Can Cook! series. In Mexican Food, find out what historical, cultural, and geographical factors have influenced the cuisine of Mexico. Learn and practice basic cooking skills as you create tasty Mexican food for your friends and family.

Book jacket.

Handbook of Engineering Electromagnetics

Electrolytes for Electrochemical Supercapacitors provides a state-of-the-art overview of the research and development of novel electrolytes and electrolyte configurations and systems to increase the energy density of electrochemical supercapacitors. Comprised of chapters written by leading international scientists active in supercapacitor research and manufacturing, this authoritative text: Describes a variety of electrochemical supercapacitor electrolytes and their properties, compositions, and systems Compares different electrolytes in terms of their effects on electrochemical supercapacitor performance Examines the interplay between the electrolytes, active electrode materials, and inactive components of the supercapacitors Discusses the design and optimization of electrolyte systems for improving electrochemical supercapacitor performance Explores the challenges electrochemical supercapacitors currently face, offering unique insight into next-generation supercapacitor applications Thus, Electrolytes for Electrochemical Supercapacitors is a valuable resource for the research and development activities of academic researchers, graduate/undergraduate students, industry professionals, and manufacturers of electrode/electrolyte systems and electrochemical energy devices such as batteries, as well as for end users of the technology.

Engineering Electromagnetic Fields and Waves

The purpose of this book is to meet the demand for a textbook that not only presents the fundamentals of electromagnetism in a concise and logical manner, but also includes a variety of engineering applications.

Electromagnetics in Magnetic Resonance Imaging

This volume includes contributions on the physical and numerical modeling of materials processing, and covers a range of metals and minerals. Authors present models and results related to the basics of processing such as extraction, joining, separation, and casting. The corresponding fundamentals of mass and heat transport as well as physical and thermodynamics properties are addressed, allowing for a cross-disciplinary vision of the field.

Engineering Electromagnetics

A four year Electrical and Electronic engineering curriculum normally contains two modules of electromagnetic field theories during the first two years. However, some curricula do not have enough slots to accommodate the two modules. This book, *Electromagnetic Field Theories*, is designed for Electrical and Electronic

engineering undergraduate students to provide fundamental knowledge of electromagnetic fields and waves in a structured manner. A comprehensive fundamental knowledge of electric and magnetic fields is required to understand the working principles of generators, motors and transformers. This knowledge is also necessary to analyze transmission lines, substations, insulator flashover mechanism, transient phenomena, etc. Recently, academics and researches are working for sending electrical power to a remote area by designing a suitable antenna. In this case, the knowledge of electromagnetic fields is considered as important tool.

Materials Processing Fundamentals 2020

Fundamentals of Engineering Electromagnetics

Fundamental of Engineering Electromagnetics not only presents the fundamentals of electromagnetism in a concise and logical manner, but also includes a variety of interesting and important applications. While adapted from his popular and more extensive work, Field and Wave Electromagnetics, this text incorporates a number of innovative pedagogical features. Each chapter begins with an overview which serves to offer qualitative guidance to the subject matter and motivate the

student. Review questions and worked examples throughout each chapter reinforce the student's understanding of the material. Remarks boxes following the review questions and margin notes throughout the book serve as additional pedagogical aids.

Linear Systems and Signals

Linear Systems and Signals, Third Edition, has been refined and streamlined to deliver unparalleled coverage and clarity. It emphasizes a physical appreciation of concepts through heuristic reasoning and the use of metaphors, analogies, and creative explanations. The text uses mathematics not only to prove axiomatic theory but also to enhance physical and intuitive understanding. Hundreds of fully worked examples provide a hands-on, practical grounding of concepts and theory. Its thorough content, practical approach, and structural adaptability make Linear Systems and Signals, Third Edition, the ideal text for undergraduates.

Electromagnetic Metamaterials

Field and Wave Electromagnetics

A clearly written introduction to the key physical and engineering principles of electromagnetics, first published in 2000.

Handbook of Engineering Electromagnetics

Respected for its accuracy, its smooth and logical flow of ideas, and its clear presentation, 'Field and Wave Electromagnetics' has become an established textbook in the field of electromagnetics. This book builds the electromagnetic model using an axiomatic approach in steps: first for static electric fields, then for static magnetic fields, and finally for time-varying fields leading to Maxwell's equations.

Electromagnetic Field Theories for Engineering

For freshman- to senior-level design courses in Mechanical, Civil, Electrical, and Chemical Engineering. Hyman's comprehensive, clearly written and organised, and thorough treatment of engineering design fundamentals incorporates much of the material covered in contemporary "mini" design books, which are almost exclusively devoted to design methodology. Engineering Design, however, also includes topics such as engineering economics, project planning, professional and social context of design, and optimisation. New concepts are often introduced by

posing a design problem, thus emphasising a more applied approach to the course.

Engineering Electromagnetics

Balanis' second edition of Advanced Engineering Electromagnetics – a global best-seller for over 20 years – covers the advanced knowledge engineers involved in electromagnetic need to know, particularly as the topic relates to the fast-moving, continually evolving, and rapidly expanding field of wireless communications. The immense interest in wireless communications and the expected increase in wireless communications systems projects (antenna, microwave and wireless communication) points to an increase in the number of engineers needed to specialize in this field. In addition, the Instructor Book Companion Site contains a rich collection of multimedia resources for use with this text. Resources include: Ready-made lecture notes in Power Point format for all the chapters. Forty-nine MATLAB® programs to compute, plot and animate some of the wave phenomena Nearly 600 end-of-chapter problems, that's an average of 40 problems per chapter (200 new problems; 50% more than in the first edition) A thoroughly updated Solutions Manual 2500 slides for Instructors are included.

Electromagnetics for Engineering Students Part I

Human cortical bone as a structural material : Hierarchical design and biological degradation / Robert Ritchie and Elizabeth A. Zimmermann -- Bio-inspiration from nacre / Nima Rahbar and Sina Askarinejad -- Bio-inspiration from bamboo / Ting Tan and Wole Soboyejo.

Elements of Electromagnetics

Engineering Electromagnetics provides a solid foundation in electromagnetics fundamentals by emphasizing physical understanding and practical applications. Electromagnetics, with its requirements for abstract thinking, can prove challenging for students. The authors' physical and intuitive approach has produced a book that will inspire enthusiasm and interest for the material. Benefiting from a review of electromagnetic curricula at several schools and repeated use in classroom settings, this text presents material in a rigorous yet readable manner. FEATURES/BENEFITS Starts with coverage of transmission lines before addressing fundamental laws, providing a smooth transition from circuits to electromagnetics. Emphasizes physical understanding and the experimental bases of fundamental laws. Offers detailed examples and numerous practical end-of-chapter problems, with each problem's topical content clearly identified. Provides historical notes, abbreviated biographies, and hundreds of footnotes to motivate interest and enhance understanding. Back Cover Benefiting from a review of electromagnetics curricula at several schools and repeated use in classroom

settings, this text presents material in a comprehensive and practical yet readable manner. Features: Starts with coverage of transmission lines before addressing fundamental laws, providing a smooth transition from circuits to electromagnetics. Emphasizes physical understanding and the experimental bases of fundamental laws. Offers detailed examples and numerous practical end-of-chapter problems, with each problem's topical content clearly identified. Provides historical notes, abbreviated biographies, and hundreds of footnotes to motivate interest and enhance understanding.

Elements of Electromagnetics

Fundamentals of Engineering Design

"Fundamental of Engineering Electromagnetics" not only presents the fundamentals of electromagnetism in a concise and logical manner, but also includes a variety of interesting and important applications. While adapted from his popular and more extensive work, "Field and Wave Electromagnetics," this text incorporates a number of innovative pedagogical features. Each chapter begins with an overview, which serves to offer qualitative guidance to the subject matter and motivate the student. Review questions and worked examples throughout

each chapter reinforce the student's understanding of the material. Remarks boxes following the review questions and margin notes throughout the book serve as additional pedagogical aids. Back Cover Fundamentals of Engineering Electromagnetics is a shorter version of Dr. Cheng's best-selling Field and Wave Electromagnetics, Second Edition. Fundamentals has been written in summaries. Emphasizes examples and exercises that invite students to build their knowledge of electromagnetics by solving problems. Besides presenting electromagnetics in a concise and logical manner, the text covers application topics such as electric motors, transmission lines, waveguides, antennas, antenna arrays, and radar systems.

Magnetic Resonance Imaging

This book provides students with a thorough theoretical understanding of electromagnetic field equations and it also treats a large number of applications. The text is a comprehensive two-semester textbook. The work treats most topics in two steps - a short, introductory chapter followed by a second chapter with in-depth extensive treatment; between 10 to 30 applications per topic; examples and exercises throughout the book; experiments, problems and summaries. The new edition includes: modifications to about 30-40% of the end of chapter problems; a new introduction to electromagnetics based on behavior of charges; a new section on units; MATLAB tools for solution of problems and demonstration of subjects;

most chapters include a summary. The book is an undergraduate textbook at the Junior level, intended for required classes in electromagnetics. It is written in simple terms with all details of derivations included and all steps in solutions listed. It requires little beyond basic calculus and can be used for self-study. The wealth of examples and alternative explanations makes it very approachable by students. More than 400 examples and exercises, exercising every topic in the book Includes 600 end-of-chapter problems, many of them applications or simplified applications Discusses the finite element, finite difference and method of moments in a dedicated chapter

Schaum's Outline of Electromagnetics, Fifth Edition

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there's Schaum's. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you:

- Hundreds of supplementary problems to reinforce knowledge
- Concise explanations of all electromagnetic concepts
- Information on current density, capacitance, magnetic fields, inductance, electromagnetic waves, transmission lines, and antennas
- New section on transmission line parameters

New section illustrating the use of admittance plane and chart • New section on impedance transformation • New chapter on sky waves, attenuation and delay effects in troposphere, line of sight propagation and other relevant topics • Support for all major textbooks for courses in Electromagnetics PLUS: Access to revised Schaums.com website with access to 20 problem-solving videos, and more. Schaum's reinforces the main concepts required in your course and offers hundreds of practice questions to help you succeed. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines - Problem solved.

A Student's Guide to Maxwell's Equations

A good understanding of electromagnetics is vital to anyone working with electrical currents. Electromagnetics, electrostatics, and magnetostatics are the foundation for microwaves, biomedical imaging, and circuit design. Understanding this foundation well is the basis for a successful career in electromagnetics-related fields. Sadiku's Elements of Electromagnetics, fourth edition, is designed for the introductory course in electromagnetics for electrical and computer engineering undergraduates. Taking a vector-first approach, Sadiku explains electrostatics, magnetostatics, fields and waves, as well as applications like transmission lines, waveguides, and antennas. It provides a balanced presentation of time-varying fields and static fields, preparing students for employment in today's industrial and manufacturing sectors.

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#) [HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)