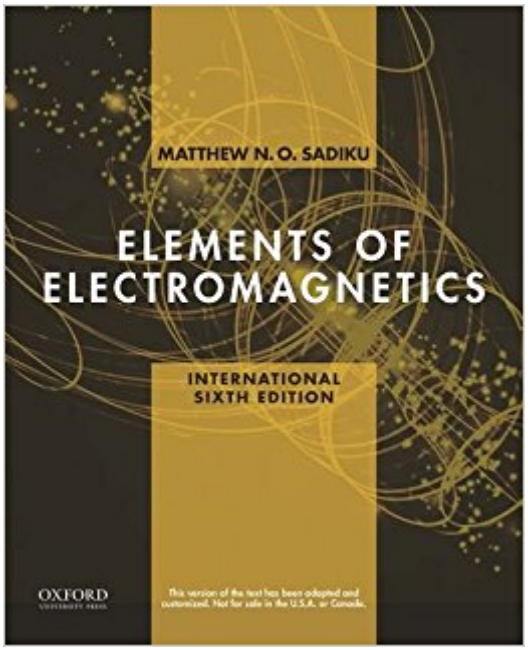
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Elements Of Electromagnetics (The Oxford Series In Electrical And Computer Engineering)



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Synopsis

Elements of Electromagnetics, Fifth Edition, uses a vectors-first approach to explain electrostatics, magnetostatics, fields, waves, and applications like transmission lines, waveguides, and antennas. The book also provides a balanced presentation of time-varying and static fields, preparing students for employment in today's industrial and manufacturing sectors. The new edition includes new Application Notes detailing real-world connections, coverage of wave polarization states, a math pre-test for professors to assess students' mathematical skills, and new and updated problems.

Book Information

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Customer Reviews

Matthew Sadiku is Professor of Electrical Engineering at Prairie View A&M University in Prairie View, Texas. He received his Ph.D. in Electrical Engineering from Tennessee Teh University and M.Sc. from Florida Atlantic University. Professor Sadiku is an active consultant for IBM. His teaching at Prarie View is varied, but it includes freshman-level courses in circuit design as well as higher-level courses in numerical methods and electromagnetics.

One of the best books for undergraduate electromagnetism. Topics are explained clearly with enough solved examples. I recommend this book for any EE program.

It does an okay job at giving explanations of the concepts and proofs. But the example problems

that are worked out have far too many errors in them to be trustworthy. Which by the 6th edition of the book is just unacceptable. I know that most professor's textbooks only have their name on them and it is their TA's that are responsible for a lot of the editing, but honestly I would not want my name associated with a book that has as many errors as this has. Some are simple and easily spotted while others are not so simple because they are in key concepts that you are just learning. If you have a good teacher that points out when the errors are there or works through the examples himself or herself then the book can be useful. But it is not something you can really use to study on your own reliably. The book also falls into the trap of giving a few examples and then a ton of questions in the problem sets that are not easily solved using the examples as guides. So you probably want to pick something likeÃ Â 2008+ Solved Problems in Electromagnetics (Electromagnetics and Radar)Ã Â orÃ Â Schaum's Outline of Electromagnetics, 4th Edition (Schaum's Outlines)Ã Â to help you with solving problems if your professor assigns homework from the book.

Griffiths intro to electrodynamics - use the standard book not this crap.

Excellent

very good

good

Simply put one of the most dense and difficult to follow texts I've ever had the displeasure of reading. Complex concepts are explained once, briefly before being reduced to a single letter symbol, many of which are duplicated. (How many different ways can we use Rho?). Then operations are preformed, rendering a new symbol. Repeat. Eventually your left with alphabet soup and no sense of what processes are being applied to which forces to produce which effects.Makes a difficult and opaque topic impenetrable.Professors, please avoid this book.

Can't be used to learn the subject without supplemental lectures. For example, the solutions that are in the book for the practice problems have frequent errors, which makes it useless to check your answers against. The writing sometimes leaves fairly massive jumps between steps up to the reader to notice.

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