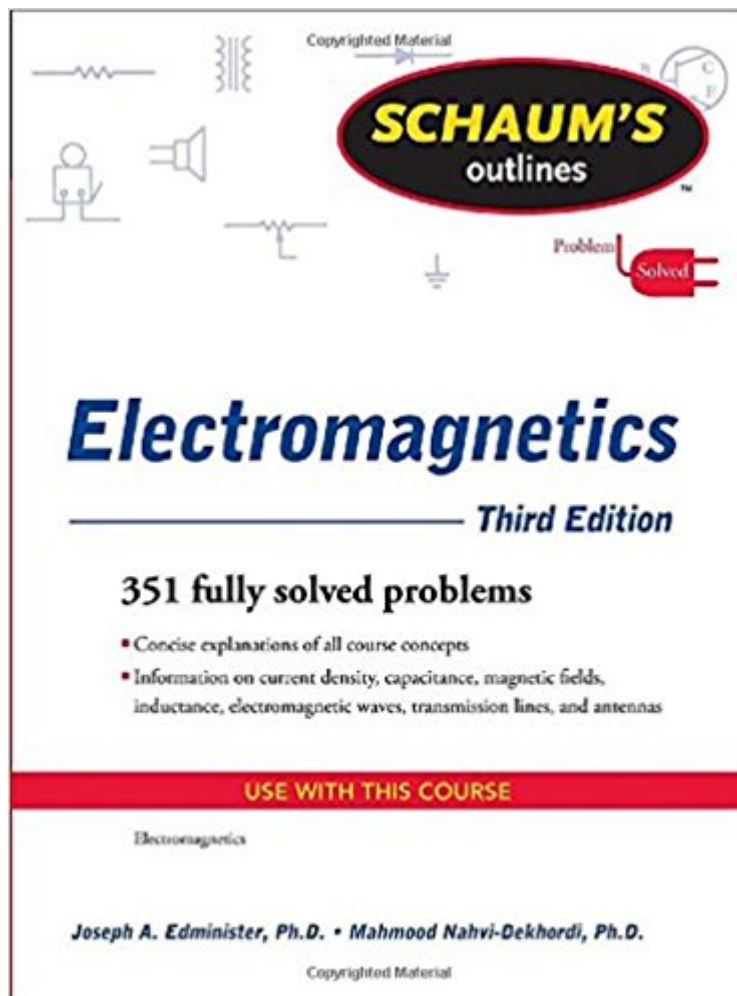


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# Schaum's Outline Of Electromagnetics, Third Edition (Schaum's Outline Series)



## Synopsis

Study faster, learn better, and get top grades Modified to conform to the current curriculum, Schaum's Outline of Electromagnetics complements these courses in scope and sequence to help you understand its basic concepts. The book offers extra practice on topics such as current density, capacitance, magnetic fields, inductance, electromagnetic waves, transmission lines, and antennas. Appropriate for the following course: Electromagnetics Features: 351 solved problems Support for all the major textbooks for electromagnetics courses Topics include: Vector Analysis, Coulomb Forces and Electric Field Intensity , Electric Flux and Gauss' Law, Divergence and the Divergence Theorem, The Electrostatic Field: Work, Energy, and Potential, Current, Current Density, and Conductors, Capacitance and Dielectric Materials, Laplace's Equation, Ampere's Law and the Magnetic Field, Forces and Torques in Magnetic Fields, Inductance and Magnetic Circuits, Displacement Current and Induced EMF, Maxwell's Equations and Boundary Conditions, Electromagnetic Waves, Transmission Lines, Waveguides, Antennas

## Book Information

Series: Schaum's Outline Series

Paperback: 360 pages

Publisher: McGraw-Hill; 3 edition (October 26, 2010)

Language: English

ISBN-10: 0071632352

ISBN-13: 978-0071632355

Product Dimensions: 8.1 x 0.7 x 10.8 inches

Shipping Weight: 1.2 pounds

Average Customer Review: 4.2 out of 5 stars 38 customer reviews

Best Sellers Rank: #155,737 in Books (See Top 100 in Books) #106 in Books > Science & Math > Physics > Electromagnetism #7014 in Books > Textbooks > Science & Mathematics

## Customer Reviews

--This text refers to an out of print or unavailable edition of this title.

Joseph A. Edminister is Professor Emeritus of Electrical Engineering at the University of Akron in Ohio. Mahmood Nahvi-Dekhordi is Professor of Electrical Engineering at California Polytechnic State University in San Luis Obispo, California.

This is absolutely a must if you are taking Electromagnetic Fields 1 or 2 because it has simple to understand language and has tons of solved problems included as well along with an abundance of problems you can solve too. The only downside is that when you solve the problems, the answer key will only show you the answer instead of showing you the whole solution on how to solve it. But other than that it is a well written and great book overall. Definitely get it if you are taking Electromagnetic Fields!

Just a fun way to revisit stuff you learned in engineering school but have gotten rusty. You'll never use any of this stuff any more but at least you can point to some of Maxwell's Equations and tell people - "I really did know this stuff, once!"

This book helped with break down the difficult concepts

I'm not sure if it's just the Kindle Edition, but there are many type-o's (and it seems errors also - may be part of the kindle edition)... Also, the author makes some sweeping assumptions (calculus and physics based) that greatly inhibit how quickly you can go through and actually grasp this material.. The book does have practice problems though - that is what these are best for - not strictly learning.

This book does what my class book (Hayt) doesn't--give a plethora of worked problems. I sit in class and watch my prof prove theorems, read Hyat's book that discusses the "why", and had difficulties pulling it all together. I NEEDED EXAMPLE PROBS! Schaum's proved extremely beneficial to me and I will probably not take any more EE courses without it as a supplement. If you need to look at detailed example problems to study and do your homework, this book is a no brainer if you want to pass this difficult topic.

It helped me pass my test. Good luck!

It is a good additional material to whatever material your teacher is using for electromagnetics. Do not wholly depend on it, but it gives very good practice problems.

These outlines are great, but you really need to have a decent background in it....as well as some discipline. It is definitely not for a liberal arts major who wants to understand why electrical engineers are so smart.

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