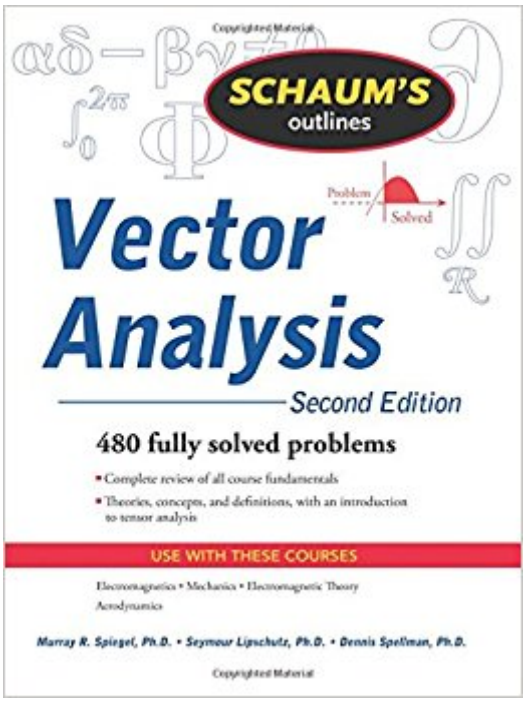
Vector Analysis, 2nd Edition



Synopsis

The guide to vector analysis that helps students study faster, learn better, and get top grades More than 40 million students have trusted Schaum's to help them study faster, learn better, and get top grades. Now Schaum's is better than ever-with a new look, a new format with hundreds of practice problems, and completely updated information to conform to the latest developments in every field of study. Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Book Information

Paperback: 264 pages
Publisher: McGraw-Hill Education; 2 edition (May 4, 2009)
Language: English
ISBN-10: 0071615458
ISBN-13: 978-0071615457
Product Dimensions: 8.2 x 0.5 x 10.9 inches
Shipping Weight: 9.6 ounces (View shipping rates and policies)
Average Customer Review: 4.4 out of 5 stars 33 customer reviews
Best Sellers Rank: #40,859 in Books (See Top 100 in Books) #5 inÂ Books > Science & Math > Mathematics > Applied > Vector Analysis #21 inÂ Books > Science & Math > Physics > Electromagnetism #198 inÂ Books > Education & Teaching > Studying & Workbooks > Study Guides

Customer Reviews

Murray R. Spiegel held positions at Harvard University, Columbia University, Oak Ridge and Rensselaer Polytechnic Institute, and served as a mathematical consultant at several large companies. His last Position was professor and Chairman of mathematics at the Rensselaer Polytechnic Institute Hartford Graduate Center. He was the author of numerous journal articles and books on various topics in mathematics. Seymour Lipschutz, Ph.D., is a Mathematics professor who has written more than 15 Schaum's Outlines.

I used an earlier edition of this great text back in 1968 while an undergraduate in Physics. In those days, Vector Algebra and Analysis were left as 'catch-it-as-you-can-and-on-the-fly' in or in between a given math or physics course. And really, that attitude has not changed today: look at any

undergrad physics book in elementary mechanics or electromagnetism, and you will see that in many cases, Vector material in an appendix. And when it is addressed in a textbook, e.g., those used in the first two semesters of a typical undergrad sequence in basic calculus-based physics, you wish the God it wasn't. They go on and on about the obvious, give problems that are easy to solve but which do not prepare the student for real-world or real-physics research problems. And if you don't get lost in the cute little pictures and elaborate drawings those books use to 'explain' the concepts, you still wind up with a cursory understanding of Vectors and their importance in Physics, Engineering, and Mathematics.Not so with this text. It gives sufficient theory, insightful examples, plenty of supplementary problems, and very helpful illustrations to drive the point being made home. Truly, a great book.So when I learned Vector Analysis from this text, I carried this book with me for reference and further learning and refreshing myself throughout grad and post grad school, and it never let me down. To this day, there are three old copies on my books shelves, and now I just added this latest second edition copy - just for old times sake. You won't go wrong with this book.

If you like math and wish a review of vectors this book is the ticket.

Great refresher on the subject - also includes a brief chapter on tensors. The section on tensors seems to be too brief, and the notation used by the author is a bit different than other references.

great reference book!

I had a 1950s edition of the outline and it was my crutch to get through differential geometry. It is still my go to guide whenever I need to freshen up on vector math. I bought this new edition for my brother and it has more examples and problems, but still the same core information.

Great quality and straight to the point!

Has excellent practice tests. very clearly explained. a must to complement any school work. Highly recommend for any student who wants to make sure to understand the materials and get extra practice

Very well organized and well written math book!will make a great desktop reference.

Schaum’s Outlines Vector Analysis (And An Introduction to Tensor Analysis) Vector Analysis, 2nd Edition Introduction to Vector Analysis Vector analysis Vector & Tensor Analysis With Applications Vector and Tensor Analysis (Dover Books on Mathematics) Vector and Tensor Analysis with Applications (Dover Books on Mathematics) A History of Vector Analysis: The Evolution of the Idea of a Vectorial System (Dover Books on Mathematics) A History of Vector Analysis: The Evolution of the Idea of a Vectorial System Introduction to Vector and Tensor Analysis (Dover Books on Mathematics) Vector Analysis (Dover Books on Mathematics) Tensor and Vector Analysis: With Applications to Differential Geometry (Dover Books on Mathematics) Vector Calculus (2nd Edition) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Vector Mechanics for Engineers: Statics, 11th Edition Instructor’s Manual to Accompany Vector Mechanics for Engineers: Dynamics, 5th Edition Div, Grad, Curl, and All That: An Informal Text on Vector Calculus (Fourth Edition) Vector Calculus (4th Edition) Finite-Dimensional Vector Spaces: Second Edition (Dover Books on Mathematics)