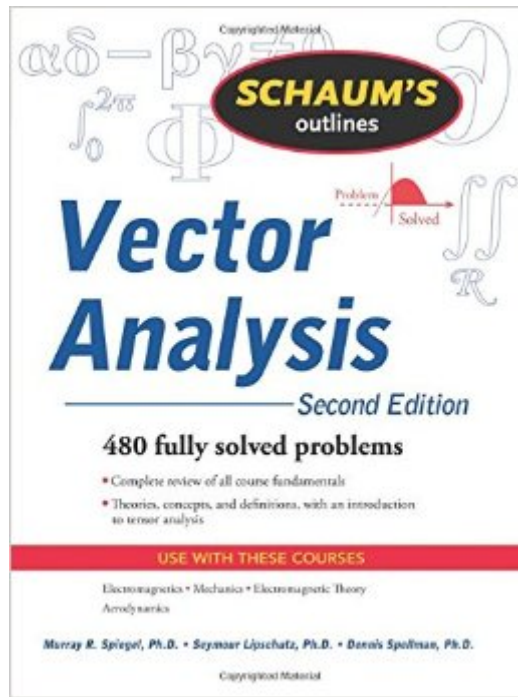


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# Vector Analysis, 2nd Edition



## 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.

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## Customer Reviews

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.

This book is the best book in Vector I've ever seen. It is full of problems and solutions, but very few redundant problems. It states the vector theory in every aspect very clearly. One can learn Vector through examples and problems easily. When you study this book, you can really feel you are making progress smoothly every day. If you buy this book, you need not to buy any other Vector textbooks. It is enough to be a textbook as well as an exercise book.

I have a Ph.D. in engineering and I still use Spiegel's book to learn from. This book is more than an introduction, but he does a great job explaining all problems including the mathematical proofs. If you still have trouble, you should in addition to this book get the real problem solver on vector analysis. However, once you master the Schaums book, all other vector analysis books will seem either elementary to you or much easier to understand.

Being an old student, I am glad I bought this Vector Analysis workbook because I am able to review vectors, triple integrals, and line integrals using vectors. This is an excellent workbook for any young student wishing to review their third-semester Calculus to prepare for either physics or engineering.

I have a couple of vector analysis/linear algebra books, but I needed to review some concepts for an electromagnetics course, and I needed to review those concepts FAST, this book is the best there is when you need fast info with several examples. Don't expect it to tell you what it does or how it works, or applications, it just tells you what it is and how to use it, period, no bull, no lengthy descriptions. I strongly recommend this book for anyone who wants to know or review vector concepts including vector differentiation, grad, curl, div, etc....

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.

This book approaches the subject of vector analysis in a very logical and easy to understand manner. It clears up a great many questions that I had on the subject.

This is a nice review of Vector analysis. As usual this member of the Schaum's series of books is excellent.

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