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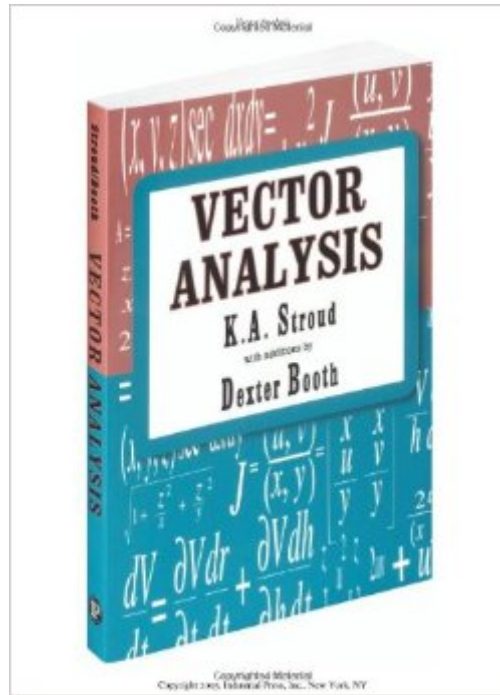
# Vector Analysis

## Synopsis

Using the same innovative and proven approach that made the authors' Engineering Mathematics a worldwide bestseller, this book can be used in the classroom or as an in-depth self-study guide. Its unique programmed approach patiently presents the mathematics in a step-by-step fashion together with a wealth of worked examples and exercises. It also contains Quizzes, Learning Outcomes, and Can You? checklists that guide readers through each topic and reinforce learning and comprehension. Both students and professionals alike will find this book a very effective learning tool and reference. Uses a unique programmed approach that takes readers through the mathematics in a step-by-step fashion with a wealth of worked examples and exercises.Contains many Quizzes, Learning Outcomes, and Can You? checklists.Ideal as a classroom textbook or a self-learning manual.

## Book Information

Paperback: 448 pages

Publisher: Industrial Press, Inc. (January 3, 2005)

Language: English

ISBN-10: 0831132086

ISBN-13: 978-0831132088

Product Dimensions:  7 x 0.8 x 10 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

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Best Sellers Rank: #980,546 in Books (See Top 100 in Books)   #80 in  Books > Science & Math > Mathematics > Applied > Vector Analysis   #9313 in  Books > Textbooks > Science & Mathematics > Mathematics   #146618 in  Books > Politics & Social Sciences

## Customer Reviews

In a sentence or two: this is a pedagogically sound and well motivated work. It offers a lot of well paced and well guided learning to the student looking to further their skills in vector analysis. It is VERY good. How can step-by-step instruction be bad?How it teaches, or the algorithm is:* provide learning objectives* provide a motivating, easy to relate to reality example* generate theory based on the example in a methodical and well explained manner and in BITE-SIZED pieces* provide some fully worked examples* provide the student with some questions* provide fully worked answers to the aforementioned examples after the questions* make the questions harder* generalize the results* provide questions with fully worked solutions using generalized results*

provide end of chapter quiz type questions with solutions* repeat for each chapter!This is a book that explains and continually reinforces your learning. The questions are probing with answers provided. This book will not leave you floundering or wondering how they got from one place to another. These guys really know (Dexter Booth)/ knew (K.A. Stroud) how to teach mathematics: take the student from what they know to what you want them to know in clear, manageable steps, providing guidance where required. I really like this book because of that. And it is reasonably rigorous to boot (but nowhere near as terse as a Springer book).Audience: gifted high school student (having done some calculus) or 1-2nd year physics, mathematics, engineering student. I wish I had had this book when I did vector calculus.

Schaum's Outlines Vector Analysis (And An Introduction to Tensor Analysis) Vector analysis: With an introduction to tensor analysis Vector Analysis, 2nd Edition Introduction to Vector Analysis A History of Vector Analysis: The Evolution of the Idea of a Vectorial System Vector and Tensor Analysis with Applications (Dover Books on Mathematics) Concise Vector Analysis (Dover Books on Mathematics) Vector and Tensor Analysis (Dover Books on Mathematics) Introduction to Vector and Tensor Analysis (Dover Books on Mathematics) A History of Vector Analysis: The Evolution of the Idea of a Vectorial System (Dover Books on Mathematics) Vector Analysis Inkscape: Guide to a Vector Drawing Program (4th Edition) (Sourceforge Community Press) Vector Mechanics for Engineers: Dynamics Vector Mechanics for Engineers Statics 8th ed Vector Mechanics for Engineers: Statics Journal Your Life's Journey: Tree Vector Journal, Lined Journal, 6 x 9, 100 Pages Threat Vector (Jack Ryan, Jr. Series Book 4) Vector Calculus Div, Grad, Curl, and All That: An Informal Text on Vector Calculus (Fourth Edition) Vector Mechanics for Engineers, Statics and Dynamics