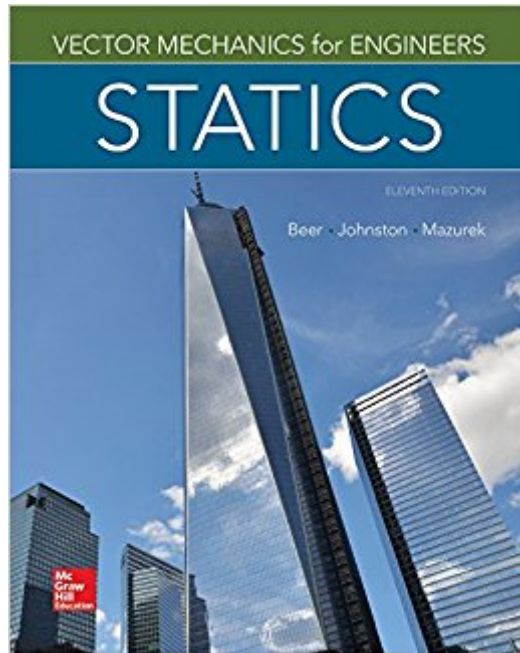




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Vector Mechanics For Engineers: Statics, 11th Edition



Synopsis

A primary objective in a first course in mechanics is to help develop a student's ability first to analyze problems in a simple and logical manner, and then to apply basic principles to their solutions. A strong conceptual understanding of these basic mechanics principles is essential for successfully solving mechanics problems. This edition of Vector Mechanics for Engineers will help instructors achieve these goals. Continuing in the spirit of its successful previous editions, this edition provides conceptually accurate and thorough coverage together with a significant refreshment of the exercise sets and online delivery of homework problems to your students. This edition has undergone a complete rewrite to modernize and streamline the language through the text. Over 650 of the homework problems in the text are new or revised. One of the characteristics of the approach used in this book is that mechanics of particles is clearly separated from the mechanics of rigid bodies. This approach makes it possible to consider simple practical applications at an early stage and to postpone the introduction of the more difficult concepts. McGraw-Hill Education's Connect, is also available as an optional, add on item. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

Book Information

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Customer Reviews

David holds a B.S. degree in ocean engineering and a M.S. degree in civil engineering from the Florida Institute of Technology, and a Ph.D. degree in civil engineering from the University of Connecticut. Â He was employed by General Dynamics Corporation Electric Boat Division for five years, where he provided submarine construction support and conducted engineering design and analysis associated with pressure hull and other structures. Â In addition, he conducted research in the area of noise and vibration transmission reduction in submarines. Â He then taught at Lafayette College for one year prior to joining the civil engineering faculty at the U.S. Coast Guard Academy, where he has been since 1990. Â David is currently a member of the American Railway Engineering & Maintenance-of-way Association Committee 15 (Steel Structures), and the American Society of Civil Engineers Committee on Blast, Shock, and Vibratory Effects. Â He has also worked with the Federal Railroad Administration on their bridge inspection training program. Â Professional interests include bridge engineering, railroad engineering, tall towers, structural forensics, and blast-resistant design. Â He is a licensed professional engineer in Connecticut and Pennsylvania.

Born in France and educated in France and Switzerland, Ferd held an M.S. degree from the Sorbonne and an Sc.D. degree in theoretical mechanics from the University of Geneva. He came to the United States after serving in the French army during the early part of World War II and had taught for four years at Williams College in the Williams-MIT joint arts and engineering program. Following his service at Williams College, Ferd joined the faculty of Lehigh University where he taught for thirty-seven years. He held several positions, including the University Distinguished Professors Chair and Chairman of the Mechanical Engineering and Mechanics Department, and in 1995 Ferd was awarded an honorary Doctor of Engineering degree by Lehigh University.

Â Born in Philadelphia, Russ holds a B.S. degree in civil engineering from the University of Delaware and an Sc.D. degree in the field of structural engineering from The Massachusetts Institute of Technology (MIT). He taught at Lehigh University and Worcester Polytechnic Institute (WPI) before joining the faculty of the University of Connecticut where he held the position of Chairman of the Civil Engineering Department and taught for twenty-six years. In 1991 Russ received the Outstanding Civil Engineer Award from the Connecticut Section of the American Society of Civil Engineers.

The books is great if you like reading and learning the concepts. Some solutions do not provide

enough explanations and some answers are wrong but all in all its a good book to learn statics when you are trying to learn it on your own.

The paper quality is very low. The book is printed in black and white. Difficult to read through. I didn't like that its not in color. Not engaging without color. I didn't use the book much since I disliked it so much.. Affordable price. Great Purchase for the class I had to take. Too bad it was an edition off.

I bought this for my class and thinking that this was just a cheaper edition of the 10th edition because it is a soft cover. However I soon learned that the 10th edition used for the class and this 10th edition are different because this one is all in SI units for the problems and also some of the problems are out of order as compared to the other 10th edition of the book which means when an instructor assigns problems, you have to make sure you are 1. doing the correct problem that the instructor assigns, and 2. that you are using the correct units and numbers.

This book does not match the hard cover book. This book is all metric so I ended up having to used classmates books for homework assignments.

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