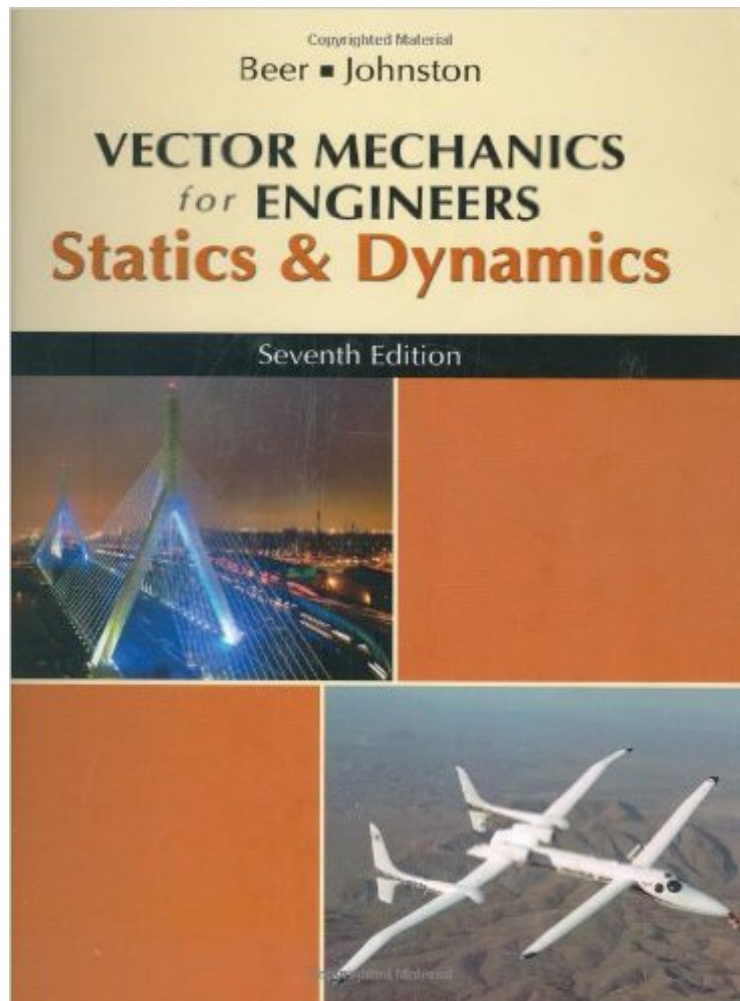


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# Vector Mechanics For Engineers, Statics And Dynamics



## Synopsis

For the past forty years Beer and Johnston have been the uncontested leaders in the teaching of undergraduate engineering mechanics. Over the years their textbooks have introduced significant theoretical and pedagogical innovations in statics, dynamics, and mechanics of materials education. At the same time, their careful presentation of content, unmatched levels of accuracy, and attention to detail have made their texts the standard for excellence. The new Seventh Edition of Vector Mechanics for Engineers: Statics and Dynamics continues this tradition. The seventh edition is complemented by a media and supplement package that is targeted to address core course needs for both the student and the instructor.

## Book Information

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## Customer Reviews

I was forced into purchasing this group of books for my university engineering program as all of the homework problems required were straight from this book. Additionally, the books were packaged with schaums problem sets that were particularly useless (schaums outlines are usually excellent, but their problem sets did not contain all of the detail and had nothing extra to offer over Beer and Johnston's textbook) and therefore a waste of my money. With that said, the only redeeming value of this book is the sheer number of exercises and answers (numerical answers with no explanation, however). The writing quality suffers what english majors call overuse of passive voice. Overuse of the words "is," "will," "are," etc. characterize this style. With the lack of acting verbs in sentences, the book effectively numbs the mind and puts the reader to sleep. This passive use of verbage also

serves to take the emphasis off of the important parts of sentences. Aside from stylistic issues with the English language, the book also suffers from a lack of vision. The authors did not provide a good methodology to approaching problems at all. They hint at it, by telling the student to draw pictures. However, in examples, the authors jump from one step to the next without much explanation of how a person would discover the techniques themselves. This makes the homework problems particularly difficult when a completely different approach than the one in the examples is required. There are also derivation and explanation issues. For instance, in the handling of the precession of free bodies (this example sticks out in particular), the author provides a diagram and some equations. However, students cannot proceed merely from what the author explained.

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