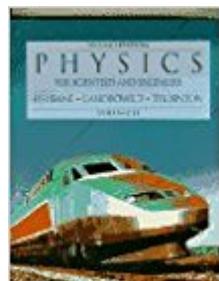


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# Physics For Scientists And Engineers: Extended Version, Vol. 2, 2nd Edition



## **Synopsis**

Appropriate for any introductory calculus-based physics course. Fishbane/Gasiorowicz/Thornton is a comprehensive introduction to calculus-based physics. The most successful first-edition physics text of the last decade, it is the only book written specifically to address the main issue in this course--namely, balancing the needs and wants of the students with those of the instructor. The authors, experienced researchers and teachers, represent both theoretical and experimental physicists. This text presents balance between theory and applications, between concepts and problem-solving, between mathematics and physics, and finally, between technology and traditional pedagogical methods. Appropriate for both scientists and engineers with increased applications for engineering students.

## **Book Information**

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## **Customer Reviews**

Appropriate for both scientists and engineers. A comprehensive introduction to calculus-based physics which presents balance between theory and applications, between concepts and problem-solving, between mathematics and physics, and finally, between technology and traditional pedagogical methods. Maintains theoretical coverage, but supplements it with applications boxes, on topics such as: timed traffic lights, jet engines, simple machines, drag racing, flight navigator, cranes, quartz watches, smoke detectors, capacitors as power sources for laptop computers, television antennas, and fiber optics. Places emphasis on concepts, showing the motivation for the physics. This conceptual emphasis has been maintained, but supporting problem-solving apparatus has been dramatically revised. All mathematics in the book is self-contained, and major

mathematical tools are introduced as needed. Vectors, a topic that requires a lot of practice, are covered in depth.

Surely physics can be a lot easier to understand than this book explains it. I have a test tomorrow in physics and I have no idea what the hell is going on. I have this terrible book to thank for this! If there is an alternative book for your course, by all means buy it!

Jeepers, I thought it was bad enough the first semester, but then I had to use it the second semester as well! The horror! Do not buy this book! We were forced to use it because UVA professors had written it! (UVA student here) DO NOT BUY IT!

This book is an ok book. I've seen better, but I believe that you must have a THOROUGH knowledge of advanced calculus for this book. That means a very good understanding of vector calculus in 3-dimensions. My only real gripe with this Vol II version is that the book constantly refers to equations and examples in the Vol I, so if you don't have Vol I then you are missing out. Other than that I think the book does a pretty good job of explaining the concepts.

I am using it this semester and I really have learned a lot. It explains things very well. I was not able to read English because I am from South America but now because of this book I can.

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