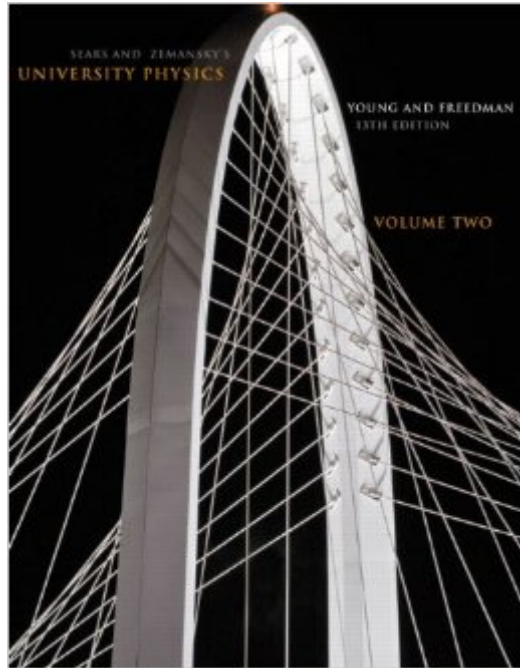


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# Sears And Zemansky's University Physics, Vol. 2, 13th Edition



## Synopsis

University Physics Volume 2 (Chapters 21-37), 13/e continues to set the benchmark for clarity and rigor combined with effective teaching and research-based innovation. University Physics is known for its uniquely broad, deep, and thoughtful set of worked examples—“key tools for developing both physical understanding and problem-solving skills. The Thirteenth Edition revises all the Examples and Problem-Solving Strategies to be more concise and direct while maintaining the Twelfth Edition’s consistent, structured approach and strong focus on modeling as well as math. To help students tackle challenging as well as routine problems, the Thirteenth Edition adds Bridging Problems to each chapter, which pose a difficult, multiconcept problem and provide a skeleton solution guide in the form of questions and hints. The text’s rich problem sets—“developed and refined over six decades—are upgraded to include larger numbers of problems that are biomedically oriented or require calculus. The problem-set revision is driven by detailed student-performance data gathered nationally through MasteringPhysics®, making it possible to fine-tune the reliability, effectiveness, and difficulty of individual problems. Complementing the clear and accessible text, the figures use a simple graphic style that focuses on the physics. They also incorporate explanatory annotations—a technique demonstrated to enhance learning. This text is available with MasteringPhysics—the most widely used, educationally proven, and technically advanced tutorial and homework system in the world only if you order the valuepack listed below. This volume contains Chapters 21-37 of the main text. The above ISBN 0321751213 / 9780321751218 University Physics Volume 2 (Chapters 21-37), 13/e is just for the standalone book. Chapters 21-37, If you want the Book(Chapters 21-37(only)/Access Card please order: 0321778251 / 9780321778253 University Physics Volume 2 (Chs. 21-37) & MasteringPhysics® with Pearson eText Student Access Code Card Package Package consists of: 0321741269 / 9780321741264 MasteringPhysics® with Pearson eText Student Access Code Card for University Physics 0321751213 / 9780321751218 University Physics Volume 2 (Chs. 21-37) If you want the complete book (only) order ISBN 0321696867 / 9780321696861 University Physics with Modern Physics, 13/e If you want the Complete Book and Access Card 0321675460 / 9780321675460 University Physics with Modern Physics with MasteringPhysics® Package consists of 0321696867 / 9780321696861 University Physics with Modern Physics(complete book) 0321741269 / 9780321741264 MasteringPhysics® with Pearson eText Student Access Code Card for University Physics (ME component

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## Customer Reviews

I was fortunate to have two copies of the precursor to this book for physics - sixth and seventh versions I think. Some of the physics department staff at my university didn't like this book because they thought that it "was too easy". I consider Feynman's lectures the near perfect embodiment of physics lecture as a narrative, but I have to say that two volumes of Sears, Zemansky and Young comprised a great book and reference as well with many worked examples. The criticism was that other texts had harder problems - problems that often involved incorporating mathematical insights that did not immediately support the problem except to demonstrate that life sometimes makes solving problems difficult. Putting things at odd angles or offset coordinate to intentional produced difficult answers really isn't a help to comprehension. If your goal is to teach a concept, make it understandable so that the visual component is real. Complicating the world with mathematical convolutions at the expense of the initial appreciation and visualization of the principle is not a good tradeoff. BTW, "University Physics", Sears and Zemansky, minus Young, seems to have been discontinued in the 13th edition. Too bad. You are lucky to have this book. It is a competent piece.

Amazing collection of whiny reviews. This text is one of only two CLASSIC introductory college physics textbooks, towering above all the others and deserving of that characterization, the other being the textbook by Haliday and Resnick. Young (and Freedman) simply carry on the tradition of this amazing text begun by the original authors more than fifty years ago, now dead, Sears and Zemansky. Generations of serious physicists began their college training with one or the other of these great textbooks. So if there are too many words and you want the picture book version of

physics, change your major and get over it. Physics is hard and not for you. BTW using this textbook my students regularly get 4s and 5s on the AP Physics C exam.

Extremely helpful textbook. During the first half of my introductory physics class I glanced at the book only once, mistakingly thought it was too complicated in its explanations and then cast it aside. This was a mistake. Like a physics textbook should be, this book revolves around practical examples of the methods it teaches and dedicates about half of the chapters to varying levels of every relevant type of question, followed by exceptionally well-explained explanations. I am now studying for my final by going over all of these questions. Simply fantastic resource. I have never valued a textbook so much. If you are assigned this book for class, use it. If you are looking to study introductory physics (mainly mechanics, wave motion, fluids, thermodynamics) on your own, use it.

I have a PhD in chemical engineering and am retired and now work on sound wave processing. This book is great for reviewing some subjects that I have grown a little fuzzy on. It has a beautiful mix of physical explanation and calculus-based reasoning. I wish it was around when I was going to college.

Be warned that the regular "University Physics" book includes Volume 1 and Volume 2 in it; you will not need this if you have the University Physics book without a "volume" label on it or you will end up re-buying half of your previous book.

This is a great book for most university students studying engineering / calculus based physics. One thing to be aware of is this is only volume 2, and will only contain certain chapters 21- 37 which primarily focuses on ELECTRICITY & MAGNETISM. This would be suitable for the second series of physics as the courses usually go : Mechanics, Electricity & Magnetism , Thermodynamics & Optics. Very detailed with lots of pictures, problems, examples, and a nice summary at the end.

Just like the first volume, this book is fantastic. It always has enough examples, and it's as if the authors really really tried to write this in a way students can understand it. I just wish I could find a hardcover version of this book

Young and Freedman's University Physics is thorough and well-explained. It is also at times very interesting and brings together a lot of material in a cohesive way. However, I do have some

problems with how the example problems sometimes have nothing to do with the end of chapter problems, or else they explain the easiest problems and then ask us to do really difficult problems that we've not seen before. But in all, as Physics books go, it's a pretty decent choice.

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