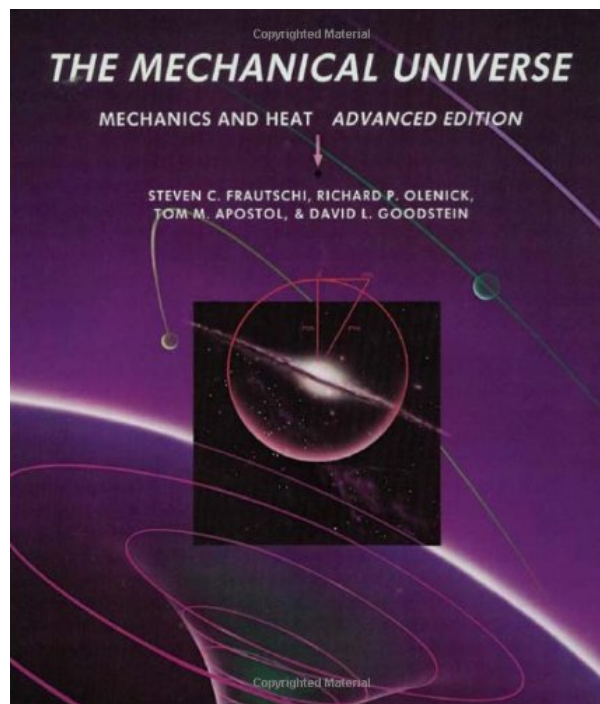
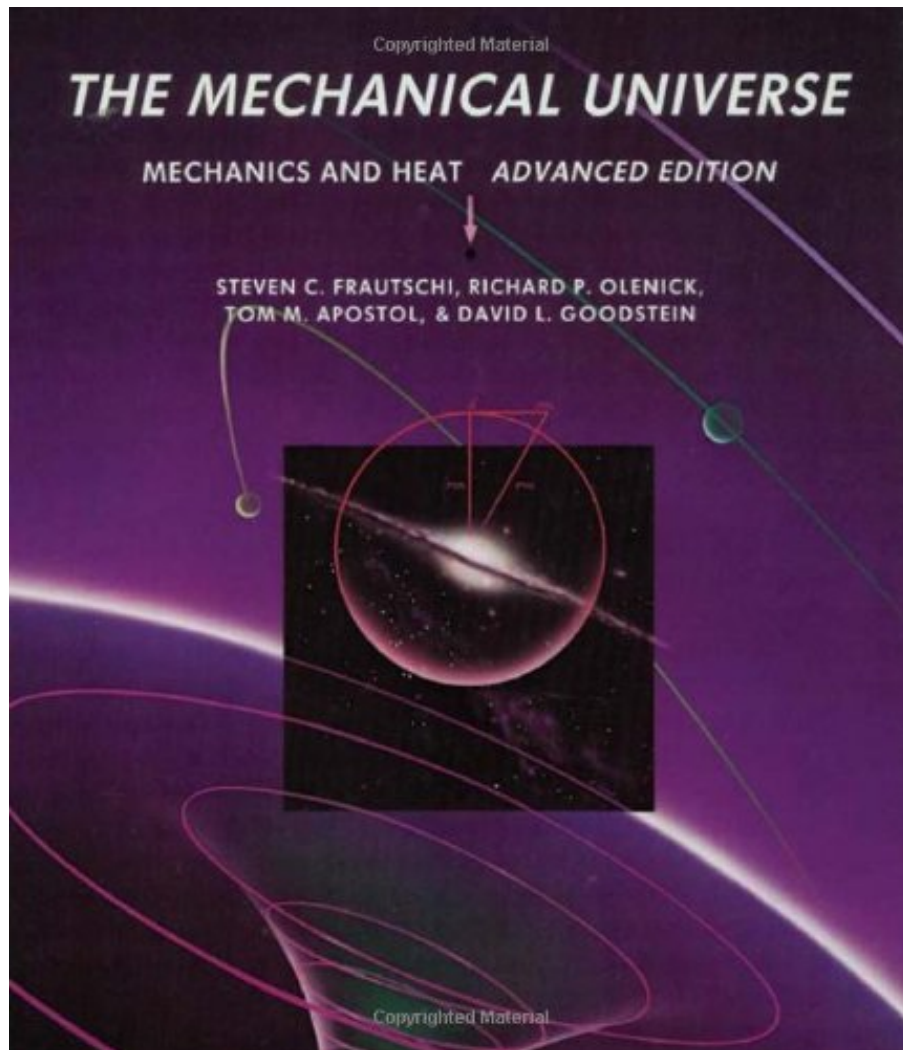


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RICHARD P. OLENICK, TOM M. APOSTOL,  
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## Review

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Steven C. Frautschi joined the California Institute of Technology faculty in 1962 and became professor emeritus in 2006. His publication list includes 80 research papers on the theory of high energy physics, and the book 'Regge Poles and S- Matrix Theory'. He has served as Master of Student Houses and has won three student teaching awards.

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By Fermatseye

A classic.

5 of 5 people found the following review helpful.

A Marvelous and Timeless Intro to Physics (and Calculus)

By John Steidl

This book may be older than my college-age daughter, but it's still one of the best introductions to elementary physics that you'll find anywhere. Marvelously readable, the authors do a wonderful job of interweaving historical context for the development of the ideas with lucid explanations of the modern understanding.

Be aware that calculus is sprinkled liberally throughout. Fortunately, the authors introduce and explain the calculus they use, and they do it in a way that is not only easy and painless; you actually begin to see why modern physics would not be possible without calculus.

With its highly readable explanations and historical perspective, this book might make a good back-up text for a college student taking Intro Physics. It's also suitable as the backbone of an advanced high school course where the instructor desires to incorporate calculus. In fact, there was a TV series that closely follows the text, minus the calculus, and is targeted at high school students. You can still find it on DVD and VHS (although not from Amazon) but you'll pay \$450 to \$500 for all 26 (maybe 28?) hours.

Finally, it's perfect if you (like me) went to school too many years ago and would just like to refresh your knowledge of the subject. I know a lot of amateur astronomers who fit in that category! As a bonus, you get a refresher course in calculus along the way.

Note that there is a second volume that dives into electromagnetism as well as quantum mechanics at the same introductory level. There is also an "advanced" version of this book that I have not looked at. Judging from the table of contents, however, it appears to be the same basic material slightly re-organized.

Highly recommended.

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