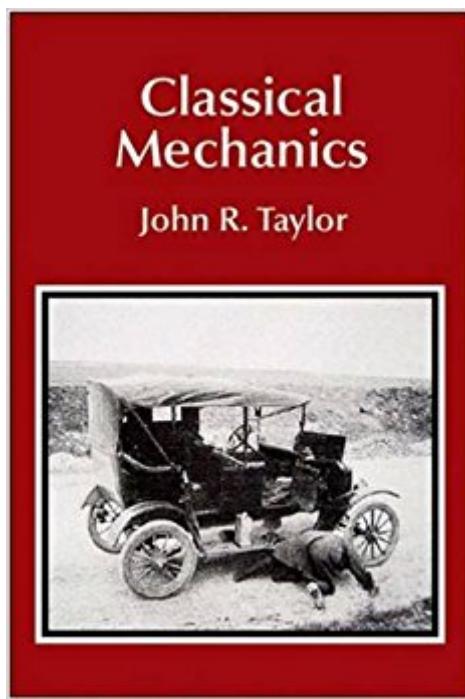


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# Classical Mechanics



## Synopsis

John Taylor has brought to his new book, Classical Mechanics, all of the clarity and insight that made his introduction to Error Analysis a best-selling text.

## Book Information

Hardcover: 786 pages

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Average Customer Review: 4.6 out of 5 starsÂ  See all reviewsÂ  (108 customer reviews)

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## Customer Reviews

The five "reviews" before mine are all from undergraduate physics majors at Amherst College. All five students were in the same class, which used a pre-publication edition of Taylor's book. I think their reviews reflect these facts, and say more about the students than they do about the book. That being said, I also used pre-publication editions, but as a professor teaching the class. Before this book I had used the other "standards" (Marion and Thornton, etc). Taylor's book is by far the best of all of them. In fact I enjoyed it so much that I gave the author a lot of feedback about the material covered in the chapters and the problems. I wouldn't have spent all that time on the book if I didn't believe it was one of the best physics books I've ever read. I use the book in the Jr-Sr mechanics course at Bates College. Since our students have already had a semester of classical mechanics from the book by Kleppner and Kolenkow, I begin with Chapter Six in Taylor's book (Calculus of Variations). The presentation is meticulous, the concepts are explained clearly and correctly (not always the case in other books), and the examples are carefully chosen. The problems are carefully chosen and carefully worded. Sometimes they present new material, e.g., the Thomas Precession, the rapidity, etc., using examples that clearly illustrate the essential points. I also have taught the first six chapters and they are very refreshing and well-written. They are at just the right level for a student coming out of a calculus-based introductory physics course and, in addition, give a

wonderful discussion of air resistance and viscous forces as they apply to automobiles, oil drops in the Millikan experiment, and many other practical situations.

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