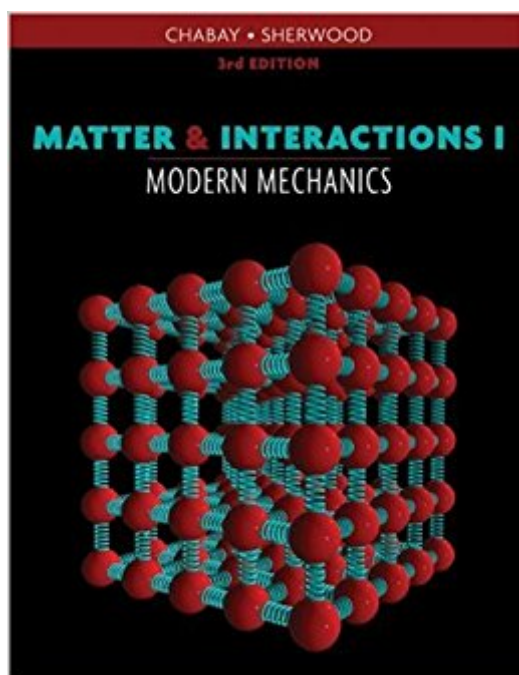


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Matter And Interactions, Vol. 1: Modern Mechanics, Third Edition



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The third edition provides practicing physicists with the fundamental principles that underlie the behavior of matter while presenting a modern integration of 20th Century physics. Emphasis is placed on constructing and using physical models. Serious computer modeling is introduced in the beginning to help build a strong foundation on the use of this important tool. End-of-chapter problems delve into experiments using simple equipment to gain insight into deep scientific issues. Stop and Think questions are also included to engage physicists in the material.

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I have been an undergraduate TA and Tutor for many physics classes using this book. This is the way to teach introductory calc-based mechanics to physics and engineering students. Now that I am able to look back on the class myself while teaching it, I can see how intuitive the authors tried to make this textbook. This is a text that makes staying up to date on reading actually make sense. Reading this textbook helped me while I was in the class and helps current students I tutor through the class. I bought myself a copy as a reference, and have missed the actual explanations that upper-level physics textbooks seem to lack. I would recommend this to students interested in introductory mechanics.

Once again I am not disappointed in my decision to buy a used book instead of buying a new copy of Matter and Interaction. Not only do I find the Physics text to be an excellent addition to my library but it allows me the ability to grow in my self learning of physics. It fits in so nice between my basic

books on Newtonian Mechanics and the more advanced books on the same. The use of the basic principles of momentum and energy along with angular momentum makes a lot of the physics that seemed so complicated to me in the past to make a lot more sense to me in the present.

It's much better than the Vol2 one. Gives examples and equations needed to do well in exams. However, there aren't any solutions for the questions at the back of each chapter which is a pity because some questions are quite challenging

My son earned an A with the help of this book. Get yours today and you might just get an A too.

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