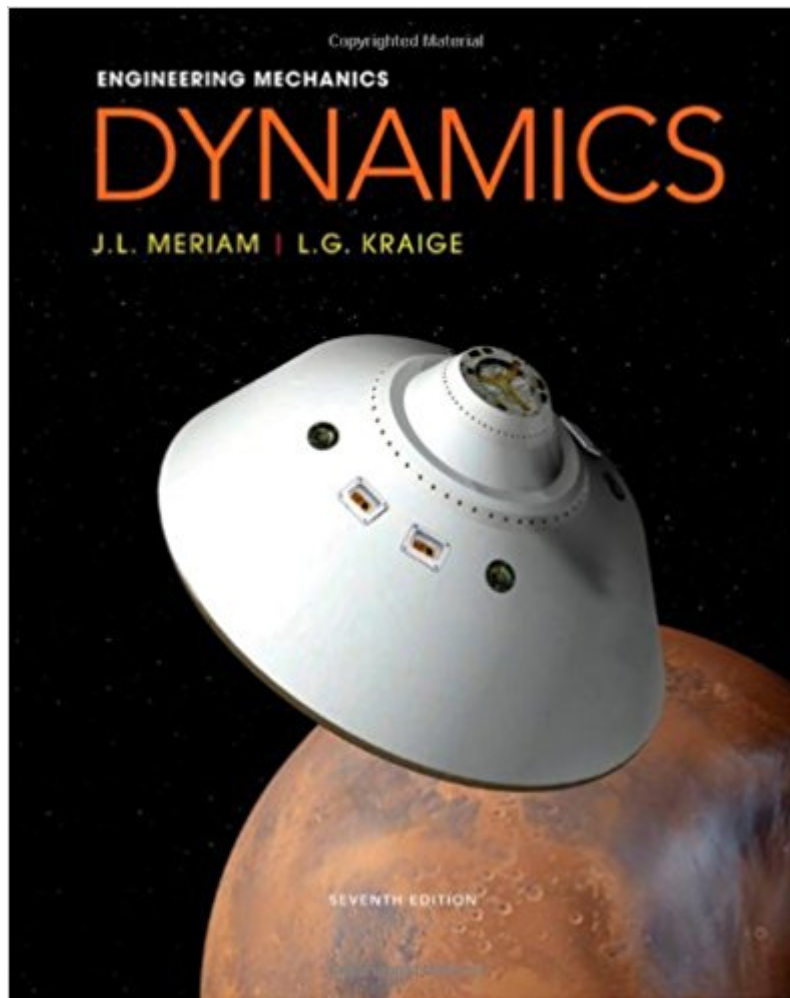


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# Engineering Mechanics: Dynamics



## Synopsis

Known for its accuracy, clarity, and dependability, Meriam & Kraige's Engineering Mechanics: Dynamics has provided a solid foundation of mechanics principles for more than 60 years. Now in its seventh edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. More than 50% of the homework problems are new, and there are also a number of new sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams-the most important skill needed to solve mechanics problems.

## Book Information

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## Customer Reviews

Classic dynamics textbook. All of the traditional material is present, along with plenty of problems ranging from trivial to darn near impossible. My only qualm with this book is the length of its proofs - I would have liked longer, more in-depth discussions on derivations of the equations. Also: this book relies completely on scalar math. If you would rather do dynamics with vectors, it is best to find another text.

This book, part of 2-volume set along with its companion "Statics", is very good textbook. Its strength are the examples and illustrations which are in full color and very detailed. The book has a full range of the kinds of practical problems in basic dynamics which you need to solve. The theory presentation is complete, but has some oddities in its language and the focus is more on making a correct mathematical exposition of each concept, almost proof-like, rather than attempting to be

didactic. For this reason it is easy to get lost in the text or find it confusing unless you work through it very slowly. If you prefer to learn by doing, this is a good book because you can learn by doing the examples and use the text more as a reference. If you require hand-holding or detailed textual explanations this is not the right book for you.

Much more dense and difficult to initially grasp than the Hibbeler text on the same subject, but leads to a deeper understanding as many of the formulas are derived and the worked examples are sufficiently difficult. My TA noted that this book may be less ideal for students looking to merely learn the material and pass the class, but its derivation and application focused method makes for a great lecture text. I'd say use Hibbeler to get your initial taste of the topics, and use this book to deepen and strengthen your knowledge.

Worked great, sold back to the university book store for more than I paid. What a deal! A good value, but like always, check check CHECK the editions. Can't tell you how many books I've ordered off of only to have them arrive and find out I purchased the wrong edition.

I have used this book and the accompanying statics book all within the last year. The author is my Dynamics professor. These books are not as thick as other Statics/Dynamics books I have seen, and the reason is that they are more problem-set oriented than lecture. You really need a good teacher to help you understand the problems and material. This is where having the author as the teacher helps. The instructional sections of the book are minimal, and I have found the problem sets better for the learning process. If I were to change this book I would add numerical solutions to every problem, not just the odd ones. And for whatever reason, the publishing oversight is uber critical of posting solutions anywhere other than the classroom, and this can be a nuisance sometime. Fun fact...a self-proclaimed car guy, Kraige loves problems with cars in them, so there are quite a few of those in there.

This book explains the concepts very carefully. However, it jumps topic to topic without a smooth transition. Examples are very elementary, but the problems at the end of each chapter gets tedious quickly. Prefer if the hard problems are approached with more examples. Biggest downfall I see is that there are no answers at the back for any problems.

This book is absolute garbage. I bought it because it is required for my dynamics course. After using

Meriam and Kraige's lousy statics book last semester I thought surely it couldn't get any worse but I was so wrong! I gave up trying to use this book about two weeks into the semester. Expect one sample problem a section. That is a problem in which they only work out the first and last step, and MAYBE a middle step out of the 20 required to solve the problem (if you're lucky). Picked up an old edition of Hibbeler's Dynamics and am heading into my final with a 95 in the class. The author and/or editor should be ashamed of this garbage. The only thing good is the problem sets. But what good is a problem set when there is no explanation or example of the problems? GARBAGE.

The book offer good explanation about the subjet and the exercises proposed require of the learners a good knowledge, some times these knowledge there are not in this book. Roberto N. De Jardin Jr

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