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Engineering Mechanics: Dynamics, Student Value Edition

By J. L. Meriam, L. G. Kraige



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- **Provides a wide variety of high quality problems** that are known for their accuracy, realism, applications, and variety. Students benefit from realistic applications that motivate their desire to learn and develop their problem solving skills.
 - *Sample Problems* with a worked solution step appear throughout providing examples and reinforcing important concepts and idea in engineering mechanics
 - *Introductory Problems* are simple, uncomplicated problems designed to help students gain confidence with a new topic. These appear in the problem sets following the Sample Problems.
 - *Representative Problems* are more challenging than Introductory Problems but are of average difficulty and length. These appear in the problem sets following the Sample Problems.
 - *Computer-Oriented Problems* are marked with an icon and appear in the end-of-chapter Review Problems.
 - *Review Problems* appear at the end of chapter.
- **Offers comprehensive coverage of how to draw free body diagrams.** Through text discussion and assignable homework problems students will learn that drawing free body diagrams is the most important skill needed to learn how to solve mechanics problems. Meriam and Kraige teach students the appropriate techniques and then apply them consistently in solutions of mechanics problems.
- **SI Units** are covered. There are approximately two problems in SI units for every one in U.S. customary units.

A tradition of excellence. Since 1952 this text has been a primary source for accuracy, rigor, clarity and a high standard of illustration in the coverage of mechanics theory.



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Editorial Review

From the Back Cover

Known for its accuracy, clarity, and applications, Meriam & Kraige's *Engineering Mechanics: Dynamics* has provided a solid foundation of mechanics principles for more than 50 years. Now in its new Sixth Edition, the text continues to help students develop their problem-solving skills with an extensive variety of highly interesting problems related to engineering design. In the new edition, more than 40% of the homework problems are new. There are also new sample problem and more photographs that link theory to application. 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.

About the Author

Glenn Kraige is Professor in the Department of Engineering Science and Mechanics at Virginia Tech. He is a fellow member of the American Society for Engineering Education, and received his Ph. D. in Aerospace Engineering from the University of Virginia.

Users Review

From reader reviews:

Angel Huitt:

Why don't make it to be your habit? Right now, try to ready your time to do the important action, like looking for your favorite book and reading a publication. Beside you can solve your condition; you can add your knowledge by the publication entitled Engineering Mechanics: Dynamics, Student Value Edition. Try to the actual book Engineering Mechanics: Dynamics, Student Value Edition as your friend. It means that it can being your friend when you experience alone and beside that of course make you smarter than ever before. Yeah, it is very fortunated for you personally. The book makes you considerably more confidence because you can know anything by the book. So , let's make new experience along with knowledge with this book.

Eden Davis:

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