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For introductory dynamics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. Better enables students to learn challenging material through effective, efficient examples and explanations.

For introductory mechanics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. Better enables students to learn challenging material through effective, efficient examples and explanations.

This volume offers a concise presentation of engineering mechanics theory and application. The material is reinforced with numerous examples to illustrate principles and imaginative problems of varying degrees of difficulty.

"An introduction to engineering mechanics that offers carefully

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balanced, authoritative coverage of statics. The authors use a Strategy-Solution-Discussion method for problem solving that explains how to approach problems, solve them, and critically judge the results. The book stresses the importance of visual analysis, especially the use of free-body diagrams. Incisive applications place engineering mechanics in the context of practice with examples from many fields of engineering." (Midwest).

This textbook teaches students the basic mechanical behaviour of materials at rest (statics), while developing their mastery of engineering methods of analysing and solving problems.

While teaching the basic principles of mechanics in an example-driven format, this innovative text takes a critical thinking approach to help introductory students learn to think like engineers.

Compelling photorealistic art, and a robust photograph program prompt students to visualize and think critically about engineering situations while Optional Design Examples and Computational Examples expose students to important ABET topics. This text is supported by the brand new OneKey course management system that enables instructors to post solutions, manage homework, and offer students test/quiz preparation and more via a free class Web site.

This textbook is designed for introductory statics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. It better enables students to learn challenging material through effective, efficient examples and explanations.

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