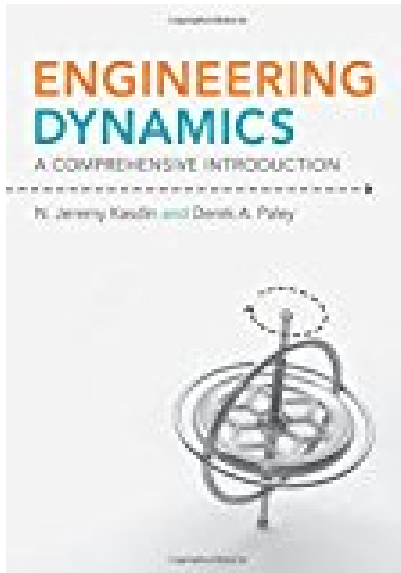


Engineering Dynamics A Comprehensive Introduction



BOOK DETAILS

- Author : N. Jeremy Kasdin
- Pages : 704 Pages
- Publisher : Princeton University Press
- Language : English
- ISBN : 0691135371

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BOOK SYNOPSIS

This textbook introduces undergraduate students to engineering dynamics using an innovative approach that is at once accessible and comprehensive. Combining the strengths of both beginner and advanced dynamics texts, this book has students solving dynamics problems from the very start and gradually guides them from the basics to increasingly more challenging topics without ever sacrificing rigor. Engineering Dynamics spans the full range of mechanics problems, from one-dimensional particle kinematics to three-dimensional rigid-body dynamics, including an introduction to Lagranges and Kanes methods. It skillfully blends an easy-to-read, conversational style with careful attention to the physics and mathematics of engineering dynamics, and emphasizes the formal systematic notation students need to solve problems correctly and succeed in more advanced courses. This richly illustrated textbook features numerous real-world examples and problems, incorporating a wide range of difficulty; ample use of MATLAB for solving problems; helpful tutorials; suggestions for further reading; and detailed appendixes. Provides an accessible yet rigorous introduction to engineering dynamics Uses an explicit vector-based notation to facilitate understanding Professors: A supplementary Instructors Manual is available for this book. It is restricted to teachers using the text in courses. For information on how to obtain a copy, refer to: http://press.princeton.edu/class_use/solutions.html

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