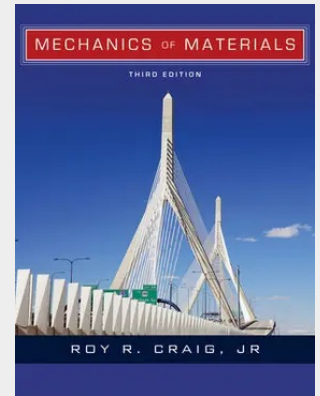


Mechanics of Materials [With Access Code]

By emphasizing the three key concepts of mechanics of solids, this new edition helps engineers improve their problem-solving skills. They'll discover how these fundamental concepts underlie all of the applications presented, and they'll learn how to identify the equations needed to solve various problems. New discussions are included on literature reviews, focusing on the literature review found in proposals and research articles. Groupware communication tools including blogs, wikis and meeting applications are covered. More information is also presented on transmittal letters and PowerPoint style presentations. And with the addition of detailed example problems, engineers will learn how to organize their solutions.

New chapter summary tables help readers confirm their grasp of the key concepts in each chapter, as well providing the key equation(s) that map to each of those concepts along with a guide to where the student can review the details. *Md solids*, an award-winning software package helps students gain visualization skills using animations, tutorials and other learning/problem-solving tools, along with numerous examples. New and revised homework problems have been provided approximately one third of the end of chapter problems are either new and/or revised. Reorganization of chapter 3, with the topic of statically indeterminate structures introduced in the classical way, but integrating coverage of the Displacement Method while also offering a separate, optional section on force method. There is still a strong emphasis on the three distinct equations of deformable-body mechanics: equilibrium, force-deformation behavior, and geometry of behavior, but this coverage now focuses on procedures and then proceeds to flow charts. Newly updated coverage of both wire rope and composites.



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