



Mechanics of Materials, 8th edition

Beer, Johnston, DeWolf, and Mazurek

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Eighth edition changes

Over 25% of the assigned problems from the previous edition have been replaced or revised. Photographic content has also been modified to provide a more suitable conceptual context to the important principles discussed.

Connect has been updated to include a new ebook format that enables off-line reading, free-body diagram drawing problems and process-oriented problems have been added to the question bank and HTML5 Dynamic Interactives will be in the online learning center.

Additionally, there are three new lab videos. Student understanding of mechanics of materials is greatly enhanced through experimental study that complements the classroom experience. Due to resource and curricular constraints, however, very few engineering programs are able to provide such a laboratory component as part of a mechanics of materials course. To help address this need, this edition includes videos that show key mechanics of materials experiments being conducted. For each experiment, data has been generated so that students can analyze results and write reports. These three videos are incorporated into the Connect digital platform.