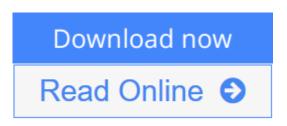


# Statics and Mechanics of Materials: An Integrated Approach

By William F. Riley, Leroy D. Sturges, Don H. Morris



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\* Use of Free-Body Diagrams. Authors, Riley, Sturges and Morris, feel that a proper free-body diagram is very important in all mechanics courses. Whenever an equation of equilibrium is written, a complete, proper free-body diagram accompanies it.

\* Problem Solving Procedures. Statics and Mechanics of Materials: An Integrated Approach provides students with an effective methodology for problem decomposition and solution, the ability to present results in a clear, and logical manner is emphasized throughout the text.

\* Homework Problems. Over 1100 homework problems allow for varied problem assignments. Each set of problems represents a range of difficulty and is grouped according to this range of difficulty.

\* SI vs. U.S. Customary Units are used in equal proportions in the text for both example and homework problems.

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