



Schaum's Outline of Strength of Materials, Fifth Edition (Schaum's Outline Series)

William Nash, Merle Potter

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A classic Schaum's Outline, thoroughly updated to match the latest course scope and sequence. The ideal review for the thousands of civil and mechanical engineering students who enroll in strength of materials courses.

About the Book

An update of this successful outline in strength of materials, modified to conform to the current curriculum. Schaum's Outline of Strength of Materials mirrors the course in scope and sequence to help enrolled students understand basic concepts and offer extra practice on topics such as determinate force systems, indeterminate force systems, torsion, cantilever beams, statically determinate beams, and statically indeterminate beams. Coverage will also include centroid of an area, parallel-axis theorem for moment of inertia of a finite area, radius of gyration, product of inertia of an element of area, principal moments of inertia, and information from statics.

Key Selling Features

- Outline format supplies a concise guide to the standard college course in Strength of Materials
- 618 solved problems
- Clear, concise explanations of all Strength of Materials concepts
- Appropriate for the following courses: Strength of Materials; Mechanics of Materials; Introductory Structural Analysis; Mechanics and Strength of Materials
- Record of Success: Schaum's Outline of Strength of Materials is a solid selling title in the series—with previous edition having sold over 22,000 copies since 1999.
- Easily-understood review of strength of materials
- Supports all the major textbooks for strength of materials courses
- Supports the following bestselling textbooks: Johnston, Mechanics of Materials, 4ed, 0073107956, \$160.34, MGH, 2005. Hibbeler, Mechanics of Materials, 6ed, 013191345x, \$135.48, PEG, 2004. Gere, Mechanics of Materials, 6ed, 0534417930, \$129.82, CEN, 2003. Hibbeler, Statics and Mechanics of Materials, 2ed, 0130281271, \$136.00, PEG, 2004.

Market / Audience

Primary: For all students of mathematics who need to learn or refresh advanced strength of materials skills.

Secondary: Graduate students and professionals looking for a tool for review **Enrollment:** Strength of Materials: 40,562; Introductory Structural Analysis: 8,342

Author Profiles

William Nash (Northampton, MA) was Professor of Civil Engineering at the University of Massachusetts, Amherst.

Merle Potter (Okemos, MI) is professor emeritus of Mechanical Engineering at Michigan State University.

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