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Strength of Materials | Module 1 | Simple Stress and Strain (Lecture 1) *Lecture 23: Vault Structures*

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Overview of solid mechanics (or structural mechanics or mechanics of materials) in 5 min

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I had Dr. Hjelmstad for structural mechanics at the UofI about 15 years ago. Although I came from a slightly different background, I found his information, teaching, and publishing exceptional. The original title for this book was "What Newton Never Knew" - I have an early version of it.

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Advanced Methods of Structural Analysis - civil engineering

A branch of applied mechanics that deals with the behavior of solid bodies subjected to various types of loading. The major concepts covered by structural mechanics include the fundamental ones, such as stresses, strains, material laws, and equations of equilibrium, and the more advanced ones, such as energy principles, elasticity, dynamics, stability, and load-carrying capacities.

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