ME 8200: Elasticity & Stress Analysis

Stress analysis fundamentals and solution methods. Strain, stress, elastic constitutive relations, equilibrium, compatibility, boundary value problems, uniqueness, two-dimensional and axisymmetric problems, flexure, torsion; energy methods, applications to structures, pressure vessels, rotating machinery. Approval of instructor.

Credits: 3.0
Prerequisites:
ME 7000 :C
Program: Mechanical Engineering