

- Preface to second edition
- Preface to first edition
- Notation
- 1 Statically Determinate Force Systems
- 2 Statically Determinate Stress Systems
- 3 Stress-Strain Relations
- 4 Statically Indeterminate Stress Systems
- 5 Torsion
- 6 Bending Stress
- 7 Bending: Slope and Deflection
- 8 Statically Indeterminate Beams
- 9 Energy Methods
- 10 Buckling Instability
- 11 Stress and Strain Transformations
- 12 Yield Criteria and Stress Concentration
- 13 Variation of Stress and Strain
- 14 Application of the Equilibrium and Strain-Displacement
- 15 Elementary Plasticity
- 16 Thin Plates and Shells
- 17 Finite Element Method
- 18 Tension, Compression, Torsion and Hardness
- 19 Fracture Mechanics
- 20 Fatigue
- 21 Creep and Viscoelasticity