

- Preface to the fourth edition
- Notation
- The SI system of units of measurement
- Statically determinate structures
- Introduction to the analysis of statically indeterminate structures
- Force method of analysis
- Displacement method of analysis
- Use of force and displacement methods
- Strain energy and virtual work
- Determination of displacements by virtual work
- Further applications of method of virtual work
- Important energy theorems
- Displacement of elastic structures by special methods
- Applications of force and displacement methods
- Influence lines for beams and frames
- Influence lines for grids, arches and trusses
- Effects of axial forces on flexural stiffness
- Analysis of shear-wall structures
- Method of finite differences
- Finite-element method
- Further development of finite -element method
- Plastic analysis of continuous beams and frames
- Yield-line and strip methods for slabs
- Structural dynamics
- Computer analysis of framed structures
- Implementation of computer analysis
- Nonlinear analysis
- Appendices
- Answers to problems
- General references
- Index