

- Dedication
- Preface
- Part 1 Statically Determinate Structures
 - Introduction
 - Structural Loads
 - System Loading and behavior
 - Reactions
 - Shearing Force and Bending Moment
 - Introduction to Plane Trusses
 - Plane Trusses, Continued
 - Three-Dimensional or Space Trusses
 - Influence Lines
 - Introduction to Calculating Deflections
 - Deflection and Angle Changes_Energy Methods
- Part 2 Statically Indeterminate Structures Classical Methods
 - Introduction to Statically Indeterminate Structures
 - Energy Method for Statically Indeterminate Structures
 - Influence Lines for Statically Indeterminate Structures.Slope Deflection: A Displacement Method of Analysis
- Part 3 Statically Indeterminate Structures Common Methods In Current Practice
 - Approximate Analysis of Indeterminate Structures
 - Moment Distribution for Beams
 - Moment Distribution for Frames.Introduction to Matrix Methods
 - Generalizing Matrix Methods
 - Additional Topics in Matrix Methods
- Appendix A The Catenary Equation
- Appendix B Matrix Algebra
- Appendix C Wind and Snow Load Tables and Figures
- Appendix D Beam Fixed-End Moments
- Appendix E Properties of Commonly Used Areas
- Appendix F Elastic Weight and Conjugate Beam Methods
- Glossary
- Index