

Sommaire

PART I – MOVING LOADS

1. Rolling Loads
2. Influence Lines
3. Influence Lines for Girders with Floor Beams
4. Influence Lines for Stresses in Frames
5. The Müller-Breslau Principle

PART II – STATICALLY INDETERMINATE STRUCTURES

6. Statically Indeterminate Beams and Frames
7. The General Method (Method of Consistent Deformation)
8. Three-Moment Equation Method
9. The Slope-Deflection Method
10. Moment Distribution Method
11. The Column Analogy Method
12. Method of Strain Energy
13. Deflection of Perfect Frames
14. Redundant Frames
15. Cables and Suspension Bridges
16. Arches

PART III – MISCELLANEOUS TOPICS

17. Welded Joints
18. Method of Tension Coefficients
19. Space Frames
20. Plastic Theory
21. Building Frames
22. Kani's Method
23. Unsymmetrical Bending

