Sommaire

- Influence lines for determinate structures
- Maximum bending moment and shear force
- Applications to bridges

9. Deflection of Structures

- Moment-area method
- Conjugate beam method
- Deflection of beams and frames

10. Energy Methods

- Strain energy
- Principle of virtual work
- Castigliano’s first and second theorems

11. Introduction to Statically Indeterminate Structures

- Degree of indeterminacy
- Basic concepts of compatibility
- Force method (introductory treatment)