



# Geotechnical Engineers Portable Handbook, Second Edition (Mechanical Engineering)

By Robert Day

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- Phase relationships
- Effective stress and stress distribution
- Shear strength
- Permeability and seepage
- Settlement analyses
- Bearing capacity analyses
- Pavement and pipeline design
- Expansive soil
- Slope stability
- Geotechnical earthquake engineering
- Erosion analyses
- Retaining walls
- Deterioration
- Foundations
- Grading and other site improvement methods
- Groundwater and percolation tests
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- Geosynthetics

- Instrumentation
- International Building Code regulations for soils
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