



Numerical Methods in Geotechnical Engineering: Recent Developments - Proceedings of Geo-Denver Held in Denver, Colorado, August 5-8, 2000 (Paperback)

By -

American Society of Civil Engineers, United States, 2000. Paperback. Condition: New. Language: English . Brand New Book. This proceedings covers a wide range of topics to which advanced numerical methods can be applied to geotechnical engineering. The papers discuss applications of artificial neural networks for characterizing the stress-strain behavior of soil; present comparisons between discrete element modeling and laboratory data from shear box tests; examine numerical analyses of lateral earth support problems, including retaining walls, slurry walls, and a soil-nailed slope; provide methods for and results of advanced numerical modeling of footings on granular soils; and employ the spectral stochastic finite element method to analyze multi-phase flow in a random porous medium.

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