



SOIL CONSTITUTIVE MODELS: EVALUATION, SELECTION AND CALIBRATION (ILLUSTRATED EDITION)



American Society of Civil Engineers. Paperback. Book Condition: new. BRAND NEW, Soil Constitutive Models: Evaluation, Selection and Calibration (illustrated edition), Jerry A. Yamamuro, Victor N. Kaliakin, "Soil Constitutive Models: Evaluation, Selection, and Calibration" brings together papers by nineteen of the most significant constitutive modelers in the world today. The papers in this "ASCE Geotechnical Special Publication" are focused on existing widely accepted soil constitutive models, from simple to complex, and they present the overall model framework, calibration procedures, and possible implementation. As a guide to the reader, an overview paper discusses features of different classes of soil models, and their advantages and disadvantages. For many models in this book and in the literature, these features are tabulated in a series of tables. The models are then categorized in terms of their completeness with respect to eight different model capabilities. This book has been prepared for soil constitutive modelers and practitioners who want to learn more about the underlying principles, calibration methods and implementation issues of many different proven soil models. The overview paper is especially helpful to those who are not experienced constitutive modelers to understand the different components of soil models and their effect on predictions. This book provides a basis for making the appropriate decision on the selection of a soil constitutive model for any particular geotechnical engineering application.

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