DESCRIPTION

The improved, new edition of the classic book on the physical properties of soil

Fundamentals of Soil Behavior, Third Edition is the thoroughly updated, expanded, and revised edition of this highly distinguished publication in geotechnical engineering. Filled with useful tables and graphs illustrating correlations among composition, classification, state, and static and dynamic properties, this Third Edition continues the tradition of providing the latest information on the physical properties of soil and the fundamentals of its behavior over time.

Students and busy professionals will connect with this new edition's timesaving, streamlined format and its greater emphasis on practical exercise problems involving advanced concepts of soil behavior. Other must-read features of this Third Edition include:

* New, expanded material on micro-mechanical behavior at the particulate level and its influences on engineering properties at the macro-scale

* A new chapter on time effects on soil deformation at different stress and strain levels

* New coverage of such important topics as environmental geotechnics, biological influences on soil behavior, soil fracturing, the effects of time, and geochemical problems

* Sets of questions and problems at the end of each chapter, a feature not available in prior editions
Fundamentals of Soil Behavior, Third Edition is an essential text for graduate students and researchers as well as a peerless reference for geotechnical, environmental, and civil engineers and geologists.

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NEW TO EDITION

A thoroughly updated, expanded and revised new edition of one of the most distinguished publications in geotechnical engineering.

Greater emphasis on practical problems involving advanced soil behavior.

New chapter on time effects on soil deformation at different strengths and strain levels.
New sections on emerging topics in soil behavior, including Environmental Geotechnics, biological influences on soil behavior, soil fracturing, partially saturated soils, the effects of time, and Geochemical problems.

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New sections and expanded coverage of micro-mechanical behavior at the particulate level and its influences on engineering properties at the macro-scale, soil deformation at different strain levels.

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More useful tables and graphs providing correlations among composition, classification, state, and static and dynamic properties.

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Each chapter has been reviewed and revised, some have been combined to produce a better organization and flow of material.

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With this edition, a supplemental set of questions and problems has been added to each chapter.

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