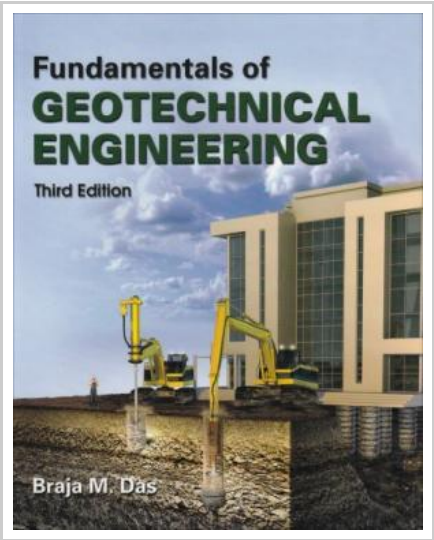

Fundamentals of Geotechnical Engineering

By Das, Braja M.

CL Engineering, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1 - Geotechnical Engineering - A Historical Perspective 1.1 Geotechnical Engineering Prior to the 18th Century 1.2 Preclassical Period of Soil Mechanics (1700-1776) 1.3 Classical Soil Mechanics - Phase I (1776-1856) 1.4 Classical Soil Mechanics - Phase II (1856-1910) 1.5 Modern Soil Mechanics 1.6 Geotechnical Engineering after 1927 2 - Soil Deposits and Grain - Size Analysis 2.1 Natural Soil Deposits - General 2.2 Residual Soil 2.3 Gravity Transported Soil 2.4 Alluvial Deposits 2.5 Lacustrine Deposits 2.6 Glacial Deposits 2.7 Aeolian Soil Deposits 2.8 Organic Soil 2.9 Soil-Particle Size 2.10 Clay Minerals 2.11 Specific Gravity 2.12 Mechanical Analysis of Soil 2.13 Effective Size, Uniformity Coefficient, and Coefficient of Gradation 3 - Weight-Volume Relationships, Plasticity, and Soil Classification 3.1 Weight-Volume Relationships 3.2 Relationships among Unit Weight, Void Ratio, Moisture Content, and Specific Gravity 3.3 Relationships among Unit Weight, Porosity, and Moisture Content 3.4 Relative Density 3.5 Consistency of Soil 3.6 Activity 3.7 Liquidity Index 3.8 Plasticity Chart 3.9 Soil Classification 4 - Soil Compaction 4.1 Compaction - General Principles 4.2 Standard Proctor Test 4.3 Factors Affecting Compaction 4.4 Modified Proctor Test 4.5 Empirical Relationships...

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