

CONTENTS

<i>Model for the Behaviour of Granular Materials in Progressive Flow</i> by G. de Josselin de Jong	page
Introduction	3
1. Limit Stress State	5
2. Double Sliding, Free Rotating Model to Progressive Flow	18
 <i>Non-associated Flow Rules in Description of Plastic Flow of Granular Materials</i> by Z. Mróz and Cz. Szymáński	
1. Introduction	51
2. Discussion of Flow Rules for Plane Deformation	54
3. Flow Rules Affected by the Stress State	70
4. Solution of Some Boundary-value Problems	77
 <i>Plasticité pour la mécanique des sols</i> par J. Salençon	
– Avant props	97
– Plasticité et mécanique des sols	99
– Problèmes d'élastoplasticité en mécanique des sols	113
– Schema rigide-plastique chargements limites	123
– Théorie des charges limites pour les systèmes standards	135
– Equilibres limites plans et de revolution	145
– Exemples d'application	157
 <i>Non-linear Viscous Soil Behaviour</i> by L. Šuklje	
Introduction	169
1. Viscous Rheological Models	173
2. Relationships of the Type $R(e, \dot{e}, \sigma', \dot{\sigma}') = 0$	189
3. A Hyperbolic Stress-strain Relationship for Frictionless Cohesive Viscous Soils at Constant Volume	199

	page
4. Stress-strain-time Relationships in Terms of Octahedral Values	203
5. Relationships According to Certain Simple Rheological Models	219
6. Application of the Theory of Hereditary Creep	223
7. Complex Rheological Relationships	227
8. Stresses and Strains in the Non-linear Viscous Plane-strain Space without Seepage Resistance	229
9. Diffusion Equation	239
10. Numerical Analysis of the Influence of Parameters Governing the Consolidation of Viscous Soils	253
11. Two-dimensional Consolidation Analysis for Non-linear Viscous Soils . .	273