

Recent Advances in Constitutive Model for Soils

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ABSTRACT

Soils are natural products. Their forms are multifarious and their behaviour highly complex, which has given rise to many constitutive models developed in the five decades. With this mini symposium we aim to take stock of the recent advances in constitutive models for soils. Any contributions related to constitutive models for soils are welcome. In particular we encourage contributions related to the following topics:

- Anisotropy and rate dependence
- Accumulation under large number of cyclic loading
- Phase transition between solid and fluid
- Models linking macroscopic behaviour with microscopic properties
- Models with mechanical, hydrological, thermal and chemical coupling
- Large and fast deformation
- Grain breakage