

## عنوان مقاله:

CONSTITUTIVE MODEL FOR SAND LIQUEFACTION UNDER CONTINUOUS ROTATION OF PRINCIPAL STRESS AXES

## محل انتشار:

پنجمین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1386)

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## خلاصه مقاله:

Increasing number of experimental studies exist corroborating the tendency to liquefaction of granular media subjected to continuous rotation of principal stress axes under constant amount of shear stress. Many loading conditions in the practical problems of engineering can be named as the examples of this manner of loading. Therefore, further development of advanced plasticity models is necessary. Herein, a plasticity constitutive model for simulation of liquefaction of granular soils under continuous rotation of principal stress axes is presented in the generalized plasticity framework. It is shown that the model can satisfactory simulate the liquefaction behavior of sandy soils subjected to continuous rotation of principal stress axes.

## کلمات کلیدی:

Liquefaction; Rotation of principal stress axes; Non-coaxiality; Sand; Generalized plasticity

## لینک ثابت مقاله در پایگاه سیویلیکا:

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