

عنوان مقاله:

Framework of a non linear fully coupled thermohydromechanical behavior of unsaturated porous media

محل انتشار:

سومین همایش بین المللی مهندسی ژئوتکنیک و مکانیک خاک ایران (سال: 1381)

تعداد صفحات اصل مقاله: 10

نویسنده:

B.Gatmiri - *dep. Of civil Engineering , University of tehran*

خلاصه مقاله:

The set of fully coupled governing differential equations of thermo-hydro-mechanical behavior of unsaturated porous media is presented. In this new development, heat and moisture transfer equations in an alternative form based on water and air pore pressures are presented. the effects of deformations on the temperature and suction distribution in soil skeleton and the inverse effects are included in the formulation via a new temperature-dependent formulation of state surfaces of void ratio and degree of saturation.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2819>

