

عنوان مقاله:

Consolidation Behavior of an Embankment Dam Using Plaxis, a Parametric Study

محل انتشار:

ششمین کنفرانس ملی پژوهشهای کاربردی در مهندسی عمران، معماری و مدیریت شهری و پنجمین نمایشگاه تخصصی انبوه سازان مسکن و ساختمان استان تهران (سال: 1398)

تعداد صفحات اصل مقاله: 5

نویسندگان:

,SEYED VAHID SHAHRANI - *Ferdowsi University of Mashhad*

,Mahsa Zarabinia - *Sadjad University of Technology*

خلاصه مقاله:

Generally, all sorts of soil embankment constructed on soft grounds can cause problematic settlements, which demonstrates the undeniable importance of consolidation. In this paper consolidation behavior of an earth -fill dam has been modeled with finite element software Plaxis-2D. The results, were verified with field measurements, demonstrate that consolidation will be over within about 219 years. Another main objective of present paper is to conduct a sensitivity analysis in order to study the effect of creep, swelling and compression indexes on soil creep behavior

کلمات کلیدی:

Embankment dam, Creep index, Swelling index, Soil creep

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/927751>

