

عنوان مقاله:

(Compressive Strength Freeze and Thaw Durability Correlation in Soil Cement Design (RESEARCH NOTE

محل انتشار:

ماهنامه بین المللی مهندسی، دوره 13، شماره 4 (سال: 1379)

تعداد صفحات اصل مقاله: 7

نویسنده:

Jamshid Sadr Karimi - *Geotechnical Engineering, University of Tabriz*

خلاصه مقاله:

This paper explains the procedure and results of an experiment on the relationship between the unconfined compressive strength and percent weight loss due to freeze and thaw durability test of laboratory compacted soil-cement specimens. The tests were carried out on soil cement mixtures of ۱۰ different soil types. It was shown that the percent weight loss due to freeze and thaw durability test (F&T) and the ۲۸-day compressive strength (UCS) may be correlated with some error. However, using the graph given in this paper, the designer may estimate the percent weight loss with an error in the order of ۲ percent. The ۲۸-day UCS values are linearly correlated with the UCS values of the similar specimens subjected to the F & T durability tests with a regression factor of ۰.۹۶

کلمات کلیدی:

Soil, cement, Compressive strength, Freeze and Thaw Test, Slope Protection

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1415524>

