عنوان مقاله:

Providing criteria for determining the validity of the results of the stability of slopes using lower bound limit analysis theory

محل انتشار:

دومین کنفرانس ملی مکانیک خاک و مهندسی پی (سال: 1394)

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خلاصه مقاله:

This study is based on linear theory, the lower bound limit analysis and finite element method and itsmain subject is to calculate safety factor of slope stability under the influence of bed depth. Although thetraditional method of two-and three-dimensional limit equilibrium is used to calculate the stability factorof slopes, however, according to the hypothesis that this pathway considers the stability analysis, theresponse status remains questionable. Furthermore, the responses obtained from the lower bound limitanalysis of the status and accuracy are in specified accuracy and location, and therefore, the answers ofthis method can be used with high boundary responses as criteria for determining the validity of othermethods.

کلمات کلیدی:

linear theory, slope stability, stability factor, boundary responses

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