عنوان مقاله:

Seismic Response of Slopes Using Different Material Models and Computational Dimensions

محل انتشار:

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خلاصه مقاله:

This paper presents an overview of the numerical and practical solutions commonly used for assessment of seismic response of slopes. The focus of the study is the role of material model and dimension of analysis on the slope response. Results from both simple elasto-plastic models and advanced constitutive models are presented, and the role of three-dimensional slope geometry on the seismic response of slopes is demonstrated. In addition, a brief review of simple computational methods often used in mapping of seismic slope displacements over large areas is presented. In all the cases, examples of applications are presented in order to highlight the key features of the models and solutions

کلمات کلیدی:

Earthquake, landslide, material models, multi-dimensional computation

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