

عنوان مقاله:

Flexural Toppling Failure in Rock Slopes: From Theory to Applications

محل انتشار:

مجله بین المللی معدن و مهندسی زمین، دوره 46، شماره 1 (سال: 1391)

تعداد صفحات اصل مقاله: 12

نویسندگان:

Abbas Majdi - School of Mining Engineering, University College of Engineering, University of Tehran, Tehran, Iran

Mehdi Amini - Department of Mining Engineering, University of Kashan, Kashan, Iran

خلاصه مقاله:

Toppling failure is one of the most common modes of failure of rock slopes in layered rock strata. Flexural toppling is one of the well-known modes of the failure. This type of failure occurs due to bending stress. In this article, a brief yet comprehensive review of toppling failure is presented. Firstly, the conditions and general mechanism of the failure are described. Then, experimental, theoretical and numerical modeling of the failure is summarized. Next, several case histories are analyzed and the results with the existing theoretical models were compared and presented. Finally, some practical recommendations as how to use these models are made.

کلمات کلیدی:

Rock Slope, Toppling Failure, Monograms

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/488075>

