

عنوان مقاله:

STICK-SLIP CHARACTERISTICS OF JOINTED ROCKS AND ITS SIGNIFICANCE IN EARTHQUAKE
.MECHANISMS

محل انتشار:

اولین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1370)

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خلاصه مقاله:

Stick-slip Phenomenon is believed to be one of the major approaches to the problem of understanding the earthquake mechanism. For this purpose, an extensive experimental investigation was conducted to explore stick-slip characteristics of six type of rocks containing a single joint and testing triaxially upto 70 MPa Confining pressure. A critical review of the previous works reveals that most of the experimental investigations performed on the stick-slip phenomenon have not been conducted in Favourable testing conditions. For this reason, different configurations of seat and platen in the cell - specimen system were used to clarify further the previous works and investigate significant aspects of stick-slip with respect to the sliding characteristics of the rock used in this experiment. Two types of stick-slip are introduced which are expected to be appropriate mode-I to interpret earthquake mechanism

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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