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1. Introduction

Both slide is one of important secondary disaster of earthquake. Slope disaster has attracted much attention. The mechanical properties of slip surface discontinuity have attracted much attention. The influence of slipping surface's discontinuity on the stability of slope, and therefore, the effect of slipping surface's discontinuity on the stability of slope, are included in this paper.

In soil or rock mass, there are a variety of discontinuous interfaces, which have a variety of forms of existence and mechanical properties. In the dynamic geotechnical engineering, the discontinuous interface is not only change the mechanical properties of the geo-material [1], but also significantly affect the propagation of stress waves [2]. For some discontinuous interfaces, which can be considered as a medium interface, the displacement field, stress field, is continuous on the discontinuous interface, but the wave impedance is significantly different on both sides of

