عنوان مقاله:

(An Earthquake model on the tunnel (effect of soil relative density

محل انتشار:

دومین کنفرانس معماری ،شهرسازی ،عمران و محیط زیست (سال: 1401)

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خلاصه مقاله:

When the fault ruptures emerge at or adjacent to the position of existing tunnels, significant damage to the tunnels can occur. The objective of this paper is to study the interaction of an embedded tunnel within a soil layer, while normal faulting imposes soil deformations. Depending on the tunnel position relative to the tunnel rigidity, due to the interaction of tunnel with the normal fault rupture, the rupture path may be dramatically modified compared with the free field condition. The tunnel diverts the rupture path to its both sides. The change in the location of the fault rupture planes, the vertical displacement of the ground surface with the presence of tunnel and also the effect of relative .density and fault tunnel interaction, for the first time, were reported and discussed in this study

کلمات کلیدی:

.Fault, Tunnel, Relative density

لینک ثابت مقاله در پایگاه سیویلیکا: