

عنوان مقاله:

Comparison seismic behavior between tall concrete structures with shear walls along with casement and without casement subjected to near field Earthquakes

محل انتشار:

چهارمین کنفرانس بین المللی پژوهش های کاربردی در علوم و مهندسی (سال: 1398)

تعداد صفحات اصل مقاله: 17

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خلاصه مقاله:

In recent articles, the seismic performance of concrete structures has been investigated this issue because the seismic performance of concrete structures is relatively acceptable. This seismic performance of concrete structures can vary depending on the existence of a shear wall. Recent studies have shown that the existence of a shear wall in these concrete structures will increase their seismic performance significantly. However, the point that has not been considered in most articles is the effect of the existence of casement in the shear wall. That is why a comparison is presented in this paper comparing the seismic performance of tall concrete structures that have shear walls whether the casement is included or not. The results of this article demonstrate that, in terms of displacement, the concrete structures which have a shear wall and a casement have better seismic performance compared to those without a casement.

کلمات کلیدی:

Seismic performance, concrete structures, shear wall, casement

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1000537>

