

## عنوان مقاله:

EVALUATION OF SEISMIC BEHAVIOR OF SITE IN PRESENCE OF TALL AND MASSIVE STRUCTURES ON  
SOFT SOIL UNDER HIGH FREQUENCY EARTHQUAKE

## محل انتشار:

هشتمین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1398)

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## خلاصه مقاله:

The main purpose of this article is studying the seismic behaviour of site in presence of tall and massive structures by considering soil-structure interaction. To this aim, structures with different mass, geometric and stiffness specifications have been modeled two-dimensional on soft soil using direct method under earthquake stimulation with high frequency content. Results indicate that seismic response of ground is affected by presence of structure. Presence of building decreased the responses and in some cases according to dimensions of structure, have caused increase in seismic response of ground and creates critical condition

## کلمات کلیدی:

Tall structures, Massive structures, Seismic response, Soil-Structure interaction, Time history analysis

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1022434>

