

## عنوان مقاله:

Site Effect Classification in East-Central of Iran

## محل انتشار:

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## خلاصه مقاله:

The site effects in East of Iran have been studied using Iranian Accelerograph Network data recorded at 50 stations. The geological and geotechnical investigations have been conducted to determine the characteristics of soil profiles in the 20 sites. The horizontal to vertical ratio (HVSr) have also been employed in order to recognize the site transfer function. The dominant frequencies of the site transfer functions calculated based on the 1D model were found to be in agreement with those identified by horizontal to vertical spectral ratio. Additionally, a good correlation has been found between the dominant frequencies with averaged S-wave velocity over the upper 30m. Based on the identified dominant frequency, average of shear wave velocity in upper 30m of soil and geological condition, a site classification .is proposed for the stations under study

## کلمات کلیدی:

Site Effect, Site Classification, Spectral Ratio, East-Central Iran

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1304022>

