

**عنوان مقاله:**

SEISMIC MICROZONATION OF SHIRAZ CITY, SOUTHWEST OF IRAN

**محل انتشار:**

چهارمین کنگره ملی مهندسی عمران (سال: 1387)

تعداد صفحات اصل مقاله: 8

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**خلاصه مقاله:**

This paper aims to study on the soil dynamic characteristics of central part of Shiraz city near the monument of Persepolis, southwest of Iran. Parameters investigated are natural period of soil sediment. The technique used to obtain these parameters is microtremor measurements. Microtremor measurement was performed in 120 stations in the city. Two 15 minutes data were recorded at each station. Segmental Cross Spectra were applied to calculate spectra. Nakamura's method (H/V) was used for analyzing the measured data. At each site, natural period values were obtained. Iso-period map of this part of city was prepared. The calculated natural periods were compared to those obtained through one dimensional analysis for some existing geotechnical borehole information. It showed that the predicted fundamental period of microtremor method is ell comparable to that of one dimensional analysis.

**کلمات کلیدی:**

Seismic Microzonation, Microtremors, Shiraz, H/V

**لینک ثابت مقاله در پایگاه سیویلیکا:**

<https://civilica.com/doc/37827>

