

Features of background microseisms at seismic stations of Kamchatka as a reflection of spectral characteristics of soils

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Abstract The main goal of the work is to obtain the spectral characteristics of soils for 23 seismic stations in Kamchatka by studying the spectra of background microseisms. The spectra were calculated based on the recordings of digital cycle meters. The final estimates are obtained by averaging the spectra for each hour during the week. For some stations, the ratio of the spectrum of the horizontal component of the soil displacement to the spectrum of the vertical component (H/V) was interpreted.

Keywords seismic stations, microseisms, spectral characteristics of soil.

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