



The estimation of seismic hazard in south part of Sakhalin for 2018 year (based on preliminary catalog)

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Abstract

The LURR (load/unload response ratio) method of strong earthquakes predictions is taken into consideration to estimate the seismic hazard in south part of Sakhalin in 2018. This method is based on the analysis of preliminary seismic catalogues to reveal change in the ratio of number of seismic events occurring during load and unload phases of the tidal wave in the crust. Using LURR criterion we have made attempt to found a final stage of preparedness of a strong earthquake ($M \geq 5$) in the southern part of Sakhalin region, and to predict the occurrence time of the event.

Keywords:

Sakhalin earthquakes catalog, weak and strong seismic events,

LURR method for mid-term.

References



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