



## **Space-time localization probability of enhanced seismic hazard in LURR medium-term prediction technique as applied to New Zealand territory**

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The article is devoted to the method of strong earthquakes prediction based on the analysis of the temporal variations of LURR parameter, which is determined as a ratio of seismicity during increase of lunar-solar tidal stress (loads) to that on the phase of tidal stress decrease (unload). It is well-known that the alteration of tidal loads and unloads in the zone of prepared strong earthquake can produce a response in the form of LURR (load/unload ratio response) growth and considerably exceeds unity. Using the data of seismic catalog of New Zealand territory we have obtained the value of LURR parameter vs. time. Retrospective predictions of the strongest seismic events in New-Zealand have been analyzed also (involving space and time hypocenters location).

### **Keywords**

Earthquake, Seismicity, Earthquakes prediction, Seismic events,  
LURR method

### **References**



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