

Calculation of Instrumental Results of the Tohoku Earthquake, Japan (Mw 9.0) on March 11, 2011 and Other Destructive Earthquakes during Seismic Hazard Assessment

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Abstract : In this paper seismological-statistical analysis of actual instrumental data on the main tremor of the Great Japan earthquake 11.03.2011 is implemented for finding out the dependence between maximal values of peak ground accelerations (PGA) and epicentric distances. A number of peculiarities of manifestation of accelerations' maximum values at the interval of long epicentric distances are revealed which do not correspond with current scales of seismic intensity.

Keywords : earthquakes, instrumental records, seismic hazard, Japan

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