



Geodynamic regime of seismogenic regions of Azerbaijan by seismological data

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Based on the analysis of earthquake focal mechanisms composed a model of the geodynamic regime of seismogenic regions of Azerbaijan. These methods of stress inverse problem make it possible to calculate four out six components of tectonic stress tensor based on data on discontinuous dislocation: orientation of three principal stress axis (σ_k , $k=1,2,3$), determined by three Euler's angles and Lode–Nadai or ratio coefficient characterizing shape of stress tensor.

Thus, on the basis of the mentioned above were developed and analyzed the mechanisms of strong earthquakes foci occurred in the years 2003-2016 with a $M \geq 3.0$ and were installed characteristic features of seismotectonic deformation in the individual seismogenic zones of the Republic, as well as in the Caspian Sea region.