

The Relation Between the Energetic Parameters of Albania Earthquakes

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In the framework of Project "Seismic Zonation of the Albania Republic in scale 1:200 000" it is under the process of re-evaluation all the earthquake focal parameters of Albania and its surroundings. Among these re-evaluation we are also reconsidering the energetic focal parameters - magnitudes (M_S , M_b , M_L), seismic intensity in epicenter (I_0), seismic moment (M_0), the length and width of fault (L , W), the area of the fault (S) as well as the stress drop ($\Delta\sigma$).

For the re-evaluation of energetic focal parameters of earthquakes besides the source data used in our previous works, we are also using many others sources of information coming from Seismological Bulletins and from other different authors. The region being studied is taken from the parallels 39° - 43° North and meridians 18.5° - 22.0° East.

We have been investigated the data for the seismic moment (M_0) for strong earthquakes with magnitude $M_S > 5.0$

From the above mentioned data we have found the relations between them (I_0 - M_S , I_0 - M_b , I_0 - M_L ; M_S - M_b , M_S - M_L ; M_L - M_b ; M_S - M_0 ; etc.). It also been studied the influence of focal mechanism in the length and width of the fault.

The relations between energetic focal parameters of the earthquakes are of great importance for the homogenous of all the seismological material for the compilation of the New Catalogue of Albanian Earthquakes and the Assessment of the Seismic Hazard.