



## **Atmospheric Potential Gradient Anomaly Perturbations as a Earthquake Precursor**

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The complex electro-magnetic processes in the focuses of the coming earthquakes express on the earth surface as a various kind of earthquake precursor. Anomalous perturbation of atmospheric electric field is among them.

The value of atmospheric electric field parameters depends on many weather characteristics. In order to exclude their influence on the values of the atmospheric electric field potential gradient we were made create the special method of filtration which let us separate anomalous perturbation linked with the very process of earthquakes preparing.

Based on the retrospective data of atmospheric electric field potential gradient the possible anomalous perturbations are considered towards the Caucasus 35 earthquakes with  $M \geq 3,6$  for 1970 year before 10 days of their occurring.

So-called "clear anomalous" are revealed in 24 cases from 35 earthquakes in which there are excluded all fluctuations and intercovered influences of the meteorological parametres on the values of the atmospheric electric field potential gradient.