

THE COMPLEX OF RADIOMETRY WITH OTHER GEOPHYSICAL METHODS WHEN SOLVING DIRECT AND OPPOSITE GEOLOGICAL-GEOPHYSICAL TASKS.

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Radiometrical methods according to the problem may solve the direct and opposite tasks. In this case necessary to use the additional information about heterogeneity of Earth crust disclosed in other geophysical and geochemical fields especially in solving the opposite tasks. The base for choice of geophysical methods complex is this or other model of researched object. In particular the physical-geological model of tectonic disturbances supposes the extent structure (lineament), within of which the change of physical field nature can be observed and it corresponds to zone of jointing or rock separation, which can be disclosed as microjointing over the zone of buried faults. In this case the wave fields keep the anomal features. Therefore the optimal variant in studying the nature of active tectonic faults together with radioactive methods is the use of detail seismoprospecting, geological nature observations directly within anomalous radioactive zones. To define the depth disturbance the data of gravimetry, magnetometry, the maps of different geological content should be used.

Suggested complex promotes the high efficiency and reduces the costs for geological-geophysical works.