

## ***Interactive comment on “Determining the focal mechanisms of the events in the Carpathian region of Ukraine” by A. Pavlova et al.***

### **Anonymous Referee #2**

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The MS “Determining the focal mechanisms of the events in the Carpathian region of Ukraine” by A. Pavlova et al. is suggested to analysis of displacement and stress field as a response of anisotropic layered medium. Generally speaking, it is original and useful investigation which may be interesting not only for geophysicists of the former Soviet Union.

At the same the paper in present form contains several small technical inconveniences and needs in English smoothing. Among the inconveniences I can note the following items: (1) The Authors do not present any description of the proposed method limitation (it is important when geophysicists will compare it with similar methods), (2) Captions to many Figures must be more detail to demonstrate separating the geodynamic events,

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(3) It is not clear how the correlation coefficient  $R$  was calculated.

I believe that after performing aforementioned small revision this MS may be accepted for publication in “Geoscientific Instrumentation Methods and Data Systems”.

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