Galperin Readings 2011 - Innovative Technologies and Fundamental Researches, 2011

## The comparison of time reverse modeling and diffraction stacking for the time-spatial localization of microseismic events

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## **Abstract**

This article is referred to the problem of source localization in visco-elastic medium using the results of surface seismological observation. There were investigated three technologies: Time Reverse Modeling, Diffraction stacking and Stacking correlation. The calculation is based on FEM.