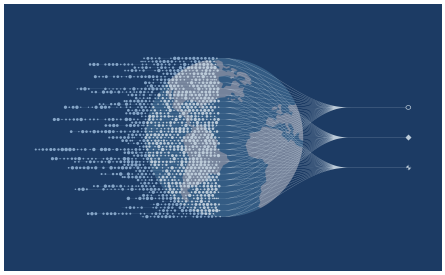

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# of FK-Analysis to Processing Seismic Events for Central Asia

The article discusses the application of FK-analysis (Fourier-Kaiser analysis) for processing and interpreting seismic data in the Central Asian region, which is characterized by a complex tectonic structure and high seismic activity. FK-analysis allows one to effectively isolate seismic event signals from background noise, determine the direction of wave arrival and their phase velocities. This helps to increase the accuracy of earthquake epicenter localization, study the properties of seismic wave sources and characteristics of the geological environment. The application of this method for Central Asia opens up new opportunities for monitoring seismic activity and studying dynamic processes in the earth's crust.

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