Ss-P001 Time: June 6 17:00-18:30

Signal Separation and Independent Component Analysis in Earth Sciences

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http://www2.neweb.ne.jp/wd/nobuaki/New_Homepage/index.htm

Signal separation and/or separation of noise from signals are of great importance in earth and space sciences. If we suppose observed signals are composed of independent source signals, extraction of each component in the mixed signals is required. We have applied the ICA(Independent Component Analysis) to seismic waves which were detected in the seismic array observation in K-net Japan. We propose some usefulness of the analysis.