

## Receiver function analysis of seismograms of near deep-focus earthquakes

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Receiver function analysis is made on seismograms of near deep-focus earthquakes, which is recorded at a seismic station in the Chugoku district, southwest Japan. The new GA is employed for inversion of receiver function to estimate the S-wave velocity structure under the seismic station. A sharp velocity jump is found to be at a depth of 35km, which is coincident with the depth of the Moho discontinuity.