

## Analysis of earthquake mechanisms by using waveform data recorded in Hi-net

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We examine effectiveness of waveform data obtained from Hi-net to the CMT analysis. We at first analyzed large and medium size events, Tottori-ken Seibu, and Hyogo-ken Hokubu earthquakes, and concluded that the CMT solutions of these events are successfully determined by using waveform data recorded at the Hi-net stations. From an analysis of aftershock records of above two events, it is found that the CMT solution of earthquakes with  $M > 3$  can be well determined from the waveform inversion.