

NIED seismic moment tensor catalogue: application to seismic activities around Japan and its future potential

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We have been routinely determining moment tensor solutions of the earthquakes around Japan since 1997. The analysis is suitable for real time processing even for small earthquakes (M3.5 or larger). In fact, automatic solutions are distributed just after the earthquake by E-mail and Web page mainly for disaster prevention. Manually checked results are published as NIED moment tensor catalogue. Four years catalogue (3830 events) should contribute to seismology as basic information and to solid earth science as mapping of stress field and fault motion.