

Comparison between focal mechanism solutions and CMT solutions: Part II

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We compared focal mechanism solutions obtained from first motion analysis with CMT solutions obtained from waveform analysis. In the comparison the solutions with high accuracy are selected from the data base given by NIED. Agreement among the solutions becomes better before the data selection. It is suggested that the inconsistency of the solutions of earthquake mechanism is basically originated in their uncertainty. We also compared the CMT solutions obtained by different methods and found that the agreement among the solutions is much better for the CMT solutions than for the CMT and focal mechanism solutions. It is suggested that the initial rupture is sometimes different from the total rupture in the source process.