

Delineation of rupture velocity of heterogeneous source model extracted from source inversion results of inland earthquakes

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We estimated rupture velocities from inverted moment release function of source models of inland earthquakes. We used source models of twelve earthquakes mainly arranged Somerville et al.(1999) and estimated rupture velocity in asperity and off-asperity area. Averaged rupture velocity of twelve earthquakes is $0.73V_s$ (V_s : S-wave velocity in source region) in asperity area and $0.69V_s$ in off-asperity area. The estimated rupture velocity was corresponded with $0.72V_s$ obtained from Geller(1976).

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