

Source envelope inversion of the 2007 Noto Hanto earthquake

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Average empirical envelope model (Petukhin et al., 2004) is used to invert records of the 2007 Noto Hanto earthquake and to estimate distribution of energy in the source in four frequency bands: 1-2, 2-4, 4-8 and 8-16Hz. Records of the Kik-net strong motion observation network were used. Before inversion, site amplification effects were estimated for each station using records of local earthquakes. Preliminary results show that the source HF energy distribution is similar to the distribution of source slip.