# Source modeling and strong ground motion simulation for the 2007 Noto peninsula earthquake

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A preliminary source model for the 2007 Noto peninsula earthquake (MJMA=6.9) was estimated by the forward modering using the empirical Green's function method. The source parameters for three asperities located on the fault plane were determined from the comparisons of the synthesized broad-band ground motions with the observed ones at several stations (K-NET and KiK-net). Resultantly, we estimated the source parameters of three asperities (7km∗7km,20MPa for Asp-1, 5km∗5km,20MPa for Asp-2, 5km∗5km,10MPa for Asp-3). Furthermore, these parameters can be predicted based on the recipe for predicting strong ground motion.