

Source modeling and strong ground motion estimation for subduction earthquakes

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We try to estimate strong ground motions from future huge subduction earthquakes, the Nankai and the To-Nankai earthquakes. It is made based on the characterized source model with source heterogeneity and some simulation techniques. The source characterization has been done considering the variation of the empirical scaling related to source heterogeneity. We have examined the variation of the estimated strong ground motions depending on the source models. Furthermore, we examined the effects due to the difference of the rupture starting point.