

## Construction of recipe for predicting strong ground motion -validity for strong motions from recent large earthquakes-

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The characteristics of strong ground motions have been found to depend on slip heterogeneities on the source fault more than total fault area and average slip, since the waveform inversion for source process has been made using strong motion data. We found that the slip heterogeneities (inner source parameters) follow a kind of scaling relations as well as the conventional source parameters (outer source parameters) such as the fault length, width, and average slip. We propose a recipe of strong ground motion prediction making a procedure to characterize the source model following those two scalings for the inner and outer source parameters. The validity and applicability of the recipe are examined for recent large earthquakes.