

## Theoretical Omega-Square Model - Case for 2-D Fault Model -

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Last year, we proposed the omega-inverse-squared model using 1-D source models (Hisada , 1999, 2000), which is a theoretical omega-squared model considering both the Kostrov-type slip velocity and the spatially variable slip and incoherent rupture time. In this study, we obtained the same conclusions by using 2-D fault models. In addition, we demonstrate how to simulate broad-band strong ground motions using this model.

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