

## Simulation of Seismicity with Interaction between Fault Systems

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We simulated seismicity over the entire Japanese Islands on the basis of block and fault model by Hashimoto & Jackson (1993).

We observed large events in which whole fault system slips once per about 1000 years for inland faults. Amplitude of average stress changes for some inland faults fluctuates with about 1000 year period. There are coincidental occurrences between faults western off Hokkaido and faults near Tottori/ Kobe once per 10000 years. Distance in state space between the model with 1 % fluctuation in initial stress and "the right model" increases with time with large fluctuation, but its pattern varies temporally.