

Earthquake Simulations running on K computer

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Large-scale high fidelity model can be constructed with recent accumulation of spatial data. Although computational cost of earthquake simulations using such model is huge, supercomputer (e.g. K computer) is now resolving difficulties and creating new frontier in this field. In this presentation, recent illustrative examples (crust deformation, earthquake ground motion, soil amplification, city response etc.) will be shown.

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