

Current state and view concerning strong motion prediction for subduction zone earthquakes

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Japanese Government has been pointing out that large subduction zone earthquakes such as the Tonankai, Nankai, and Miyagiken-oki earthquakes will happen in the near future. Therefore it becomes important to construct the methodology of strong-motion prediction procedure and to achieve the accuracy improvement of strong-motion prediction results for such earthquakes. In this situation, we have planned the special session, STRONG-MOTION PREDICTION FOR SUBDUCTION ZONE EARTHQUAKES, in the 2003 Joint Meeting of Earth and Planetary Science in order to share and discuss the current knowledge and problems concerning this issue. Here, the points of discussion were arranged from the viewpoint of planning the session, separately for the source, the path and site, the strong-motion simulation method, and the verification of strong-motion prediction results. Especially, in terms of strong-motion prediction the concept and usage of asperity of the source is a primary concern of this session.