Sp-P001

Real-time Operation System for Earthquake (1)Introduction of Real-time Operation System for Earthquake

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We have developed the real-time operation system for earthquake information and ground motion estimation by using waveforms. This system consists of three parts. The first one is the continuous monitoring system of ground motion, which shows maximum velocity distribution and predominant period per each minute on the map. The second one is the ground motion estimation system that determines epicenters, magnitudes, CMT solutions, source time functions, seismic moments, and the distribution of the maximum velocity of strong ground motion. The third one is the earthquake damage estimation system for buildings and residential houses.