

A rapid earthquake damage assessment system in cooperation by local people(1):simplified intensity and a preliminary test

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This study attempts a development of a rapid earthquake damage assessment system assisted in cooperation by local people. The most important point at designing is to pay a special attention to "user friendliness" for the system. In this consideration the well-known questionnaire survey method was set as the starting model and simplification with no much loss of accuracy was examined, reducing the number of questionns and separating the questions sensitive to high and low intensity ranges, respectively. To make a rapid data collection, the system was implemented in use of a mobile PC. A preliminary field test was conducted in a devastated area in Kobe by the 1995 Hyogoken-nanbu earthquake, and made clear that the developed system is promissing, though still in a proto-type.