

Design Criteria following Human Response against Strong Motion

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Shaking table tests were performed for the sake of clarifying the criterion for structural design following human feeling against strong motion. The tests were performed from October 13, 2014 to November 13, 2014 at the Experimental building, Chiba University. 72 kinds of input patterns, frequencies, acceleration levels, and two-dimensional loca were selected and were randomly input. Anxiousness of examinees for each input motion was recorded and evaluated statistically. The anxiousness was proportionate with input velocity level in each frequency. Detailed results would be explained in the full paper.



Photo 1. One scene of the test.