

## **Development of Maximum Acceleration Estimate Device for Seismic Measurement without Electric Power**

Kengo NANAMI      Hoshito MATSUMOTO      Akihiro TOYOOKA

For prompt investigation of damage state of structures, and resuming operation of transportation service, seismic intensity along structures should be identified. There is difficulty, however, to put seismic measurement system with high density, in terms of cost and maintenance. Therefore, in this study, the maximum acceleration estimate device, which is composed of economical and non-electric components, is suggested. The identification accuracy test of the proposed device was conducted using a large-scale shaking table. It was confirmed that the device worked successfully and the exceedance of set acceleration level was possible to be checked visually.