

Earthquake response of landslides

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Plenty of landslides, especially, rock slides were induced by the recent earthquake in mountainous region, such as the 2004 Chuetsu earthquake and the 2008 Iwate-Miyagi inland earthquake, however, we have limited information of earthquake response of landslides. The strong motion records around the landslides newly showed the seismic characteristics of landslides on the mountainous slope, and, a conceptual model, the adhesion model of slip surface of landslides, was proposed to explain the corrected records. This rough preliminary model should be improved by both the intensive observation and the innovative analysis of landslide motion.