

## **Reduction Mechanism of Embankment Strength against Rainfall after Earthquake**

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In this paper, the reduction mechanism of embankment strength against rainfall after earthquakes was examined by the sprinkling water test on an embankment model after the shaking table test on it. The results suggest that, the amount of rainfall necessary for caused an crack on the slope decreases with increase of the displacement of the top of the slope due to vibration, and that the local increase of pore water pressure was observed in case of the embankment model with the crack. Therefore, the mechanism of change of the infiltration characteristics of the embankment model could be related with the crack in the embankment model.