## A Method to Predict the Change of the Water Level on the Slope Surface Layer Considering the Topography

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Train operation control based on rainfall index is being applied during rainfall to secure the safety of the train. It is necessary to evaluate the stability of slope considering the change of the water level on the slope surface layer for executing train operation control more appropriately during rainfall. We developed the method to predict the change of the water level on the slope surface layer during rainfall for evaluating the stability of slope. In this paper, we described the concept of the developed method, and an example using this model.