

Interactive comment on “Study on monitoring and numerical analyses of groundwater variation and inclinometer displacement induced by heavy typhoon rainfall” by Ching-Jiang Jeng and Chia-Yu Yang

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This paper reveals many detailed data from the field measurements. It is interesting to be referred on slope engineering when interpreting the effects of heavy rainfalls on the ground water table variations and the stability as well as the deformations of the slope. Although many details of the observations have been discussed in this paper, it is suggested that the authors may enhance this article by adding up some suggestions out of their field observations. That is the remedy works which can increase the three dimensional global safety of the U. campus together with the factors of safety at

some simplified two dimensional cross-section profiles from the zones of the University campus could be elaborated. This would make this paper more sounding to the readers. The effectiveness of the current drainage system at the U. Campus and what should be installed for better improvements can be discussed in this paper based on the observations. Apart from that, it would be very interesting to carry out in the future studies the three dimensional FE analysis which can cover up the topographic and geological conditions of the site. This would be very interesting to see how good the remedy solutions will be and their impacts to the hazard preventions due to the rainfall and resultant ground-water changings.

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