- On behalf of all the authors, I would like to respond to each of the review comments proposed by Huali Pan.
- 2 Reply to comment 1. The abstract has been re-edited, and highlight the innovative aspects of the paper. Please read line
- 3 11-21.
- 4 Reply to comment 2. The introduction has been re-edited. The introduction describes the importance of material
- 5 variability for the study of single landslide. Granite weathered crust slopes are composed of two layers of material. The
- 6 study of the effect of material variability on the stability of single granite weathered crust slope is still lacking. Please
- 7 read line 36-59.
- 8 Reply to comment 3. Based on the results of the field survey of granite residual soil thicknesses, a basis for the design of
- 9 test thicknesses was provided. Please read line 128-133 and see Table 2.
- Reply to comment 4. Please see Table 1 for the initial parameters of the test material.
- Reply to comment 5. Detailed slope failure test procedure is provided. Please see Figure 5, 6 and 7, and read line 182-
- 12 206. Combined image analysis and sensor data analysis add key evidence of damage patterns. Please read line 300-333.
- 13 Reply too comment 6. More detailed maps of the site investigation were provided. The reliability of the test was verified
- by comparing the site survey maps with the test result maps. Please read line 429-235 and see Figure 15.
- 15 On behalf of all the authors, I would like to respond to each of the review comments proposed by Shun Yang.
- 16 Reply to comment 1. The abstract and introduction have been re-edited, and highlight the innovation of the paper. Please
- 17 read line 11-21, line 57-63.
- 18 Reply to comment 2. The introduction has been re-edited. The introduction describes the importance of material
- variability for the study of single landslide. Granite weathered crust slopes are composed of two layers of material. The
- 20 study of the effect of material variability on the stability of single granite weathered crust slope is still lacking. Please
- 21 read line 36-59.
- 22 Reply to comment 3. Based on the results of the field survey of granite residual soil thicknesses, a basis for the design of
- test thicknesses was provided. Please read line 128-133 and see Table 2.
- 24 Reply to comment 4. Please see Table 1 for the initial parameters of the test materials. Detailed slope failure test
- procedure is provided. Please see Figure 5, 6 and 7, and read line 182-206. Combined image analysis and sensor data
- analysis add key evidence of damage patterns. Please read line 300-333.
- 27 Reply to comment 5. In the discussion section, based on the experimental results and the nature of granite residual soil,
- the deformation and damage process of three types of landslides are summarized. Please read line 348-421.
- 29 Reply to comment 6. The rainfall infiltration process was first described based on the water content response. Please
- 30 read line 247-271. The cause of the formation of rainfall infiltration patterns are then analyzed in depth. Please read line
- 31 272-293. The reasons for the formation of pressure responses were analyzed, and the relationship between pressure
- 32 changes and deformation damage is explored. Please read line 300-336.
- 33 Reply to comment 7. More detailed pictures of the site investigation were provided. The reliability of the test was
- yerified by comparing the site survey maps with the test result pictures. Please read line 429-235 and see Figure 15.
- 35 Finally, on behalf of all the authors, I would like to thank the reviewers and editorial staff. The article has benefited
- 36 greatly from your work and professionalism.