

Dear Editor,

Ts1: Although several proofreading processes were performed, during the last one we found the following typos in the text and in figure 8. The typing errors in the manuscript are related to the values used in the modelling study.

It has to be mentioned that a change to the correct values has no impact on the general statement or the outcome of the article.

Please could these typos be fixed before the final publication.

TS2:  $c_b = 1$  MPa is the correct value, which is also correct in figure 8.

TS3:  $c_j = 0$  MPa is the correct value, which is also correct in figure 8. Please also see table 1, the discontinuity cohesion,  $c_j$  is always zero 0 for all model runs.

TS4:  $\varphi_j = 30^\circ$  is the correct value, otherwise the value  $25^\circ$  it is mentioned twice - here and in the sentence before. Therefore, please change to  $30^\circ$ , instead of  $25^\circ$ .

Please could figure 8 replaced by the new figure (already changed and sent!). In figure 8b, c and d the friction angle of the joints was changed to  $\varphi_j = 25^\circ$  (instead to  $30^\circ$ ).

TS5: This is also a typo, please see table 1 for confirmation. The Discontinuity friction angle was varied to 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, but not to  $38^\circ$ . Discontinuity friction angle 20 and  $31^\circ$  would be ok! Please change  $31^\circ$  (instead of  $38^\circ$ ). "Concerning the model type without groundwater flow, the friction angle for the basal shear zone was varied between 20 and 31, whilst all other parameters were kept constant."

TS6: This is fine!

TS7: Changed and included in the pdf.

Thank you much for consideration

Best regards

Christian Zangerl