

Interactive comment on “Empirical prediction for travel distance of channelized rock avalanches in the Wenchuan earthquake area” by Weiwei Zhan et al.

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Dear editor, dear authors,

I read this paper with great interest. However, I think some essential aspects about the ratio of volume versus sliding surface are missing in the discussion and conclusions. You mainly considered the relatively classical parameters of volume (alone), slope angle, and total relief. The problem is treated as being almost 1D (linear along the slope) while channeling of rock avalanches is certainly also depending on the channel cross-section and the presence of 'turns' along the channel. Those two aspects should be analysed as well.

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See more detailed comments and minor corrections in the annotated reviewed manuscript.

sincerely yours. Hans-Balder Havenith

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2016-372/nhess-2016-372-RC1-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-372, 2016.

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