

Interactive comment on “Transient thermal modeling of permafrost conditions in Southern Norway” by S. Westermann et al.

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We thank Ronald Daanen for the positive comments on the manuscript. We have implemented all suggestions in a revised version of the manuscript. The answers are highlighted in bold:

This paper discusses and shows results from Permafrost Simulations in Southern Norway. The paper is very thorough in the discussion of the data sets and pretty light on the modeling details. I think this paper can be shortened.

The revised version is shortened in a few sections, more details on the modeling

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are provided.

Also I would like to point out that the use of Van Genuchten for the freezing curve was not first applied by Dall' Amico et al. 2011. It was applied already in the WIT model (Daanen, 2008 and 2009) before that.

The mentioned publications are cited now.

a typo at p25 L10 is needs to read it.

corrected

Very good paper.

Interactive comment on The Cryosphere Discuss., 6, 5345, 2012.