

## ***Interactive comment on “A simple equation for the surface-elevation feedback of ice sheets” by A. Levermann and R. Winkelmann***

**Dr. Fyke**

fyke@lanl.gov

Received and published: 12 April 2016

Hi there,

Interesting paper!

In reading it I was struck by similarities to a classic modeling study of Oerlemans et al., 1981, particularly Section 4:

"Some basic experiments with a vertically-integrated ice sheet model", Tellus, 33, pg. 1-11.

For example, compare your characteristic slow-down near the critical threshold to Oerleman's 'intransitive' zone, or your Figure 1 to Oerleman's Figure 7.

At the least I would suggest adding this early work as a reference, perhaps along with  
C1

discussion of differences and similarities between your results and Oerleman's if you feel they are similar enough to justify such a contrast.

---

Interactive comment on The Cryosphere Discuss., doi:10.5194/tc-2016-60, 2016.