

Interactive comment on "Combining damage and fracture mechanics to model calving" *by* J. Krug et al.

J. Krug et al.

jean.krug@lgge.obs.ujf-grenoble.fr

Received and published: 25 February 2014

In this paper, we use linear elastic fracture mechanics in order to compute the stress intensity factor describing the ability for a pre-existing crevasse to propagates downward into the ice. This propagation is validated using a criterion for the initiation of propagation, and another for the arrest of the propagation.

After submitting this paper, we noticed a mistake concerning the formulation of the arrest criterion. Such an error would necessarily lead to a wrong representation of the physics occurring, and a misleading evaluation of the calving processes.

We are correcting the code and recomputing the simulations. An updated and correct version will be resubmit in the best delay.

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Interactive comment on The Cryosphere Discuss., 8, 1111, 2014.