

Interactive  
Comment

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

**J. Krug et al.**

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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 propagate 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 resubmitted in the best delay.

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Interactive Discussion

Discussion Paper



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

**TCD**

8, C75–C76, 2014

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