

Interactive comment on “Revisiting the vapor diffusion coefficient in dry snow” by Andrew Hansen

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Hello A. C. Hansen,

This paper is fascinating. Specifically the "Hand to Hand" idea and introducing the the ice phase into the direction of vapour travel within the porous space. And short pathways during metamorphic process. Conceptually it would make sense that local temperature gradients would be stronger between ice grains and it's bottom grain surface, almost "creating" a pathway of lesser resistance given sublimation, than that of just humid air.

I forecast avalanches professionally in British Columbia, and in a very rough way, think about these concepts and weather impact on stability of slab layers.

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Discussion paper



Would you consider doing a video abstract on this article, so that I could share this with my colleagues in a slightly more digestible way. It would be great to see this reach a wider audience for discussion within the avalanche community. This is the kind of information that leads to and supports building rules of thumb and indicators of accurate forecasting.

Lee

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2019-143>, 2019.

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