

## ***Interactive comment on “How does turbulence change approaching a rotor?” by Jakob Mann et al.***

**M. Pedersen**

mmpe@dtu.dk

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On page 1, line 22-23 you write that Simley et al. (2016) see a slight rotation of the inflow in front of the rotor.

As I understand Simley et al. (2016), they see the rotation behind the rotor. Upstream they also see a slightly positive w-component, but they explain it as "due to the gently sloping nature of the terrain between the fjord and the V27."

See also page 1-9 in "Basismateriale for beregning af propelvindmøller" ([http://orbit.dtu.dk/files/53702664/ris\\_m\\_2153.pdf](http://orbit.dtu.dk/files/53702664/ris_m_2153.pdf)) which says there is no way the tangential force can affect the upstream flow because there, in practice, is no internal friction in the air.

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Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2017-53>, 2017.

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