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Interactive comment

Interactive comment on "A Double Multiple Streamtube model for Vertical Axis Wind Turbines of arbitrary rotor loading" by Anis A. Ayati et al.

Anonymous Referee #2

Received and published: 2 October 2019

The paper is well written and provides a clear description of the improved formulation of the DMST model. The reviewer has only a few suggestions:

- 1. In section 2.2 it is not entirely clear how the induction factor is linked to the porosity beta. Equation 4 describes CD as a function of the induction factor, while figure 2 describes CD as a function of beta. It would be helpful if the authors elaborate on this.
- 2. In figure 3, the angle theta is indicated in the wrong corner of the velocity triangle. Consequently, Uacos(theta) and Uasin(theta) also have to be switched in the figure.
- 3. In figure 7, similar concerns as the other reviewer.
- 4. line 220 p11, there is a double 'the the'.

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Discussion paper



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