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'.