

Interactive comment on “Accurate loads and velocities on low solidity wind turbines using an improved Blade Element Momentum model” by Yassine Ouakki and Abdelaziz Arbaoui

Anonymous Referee #2

Received and published: 23 July 2020

Dear authors,

In my opinion, there are several issues with this article:

- The parameter ξ is introduced wrongly just before Equation (11)
- There is a bracket too much in the denominator of Equation (14)
- In Equation (15) the term \bar{h} in the square root in the denominator should be squared
- Any explanation why the empirical parameters a_0 and b_0 are both chosen as 1 for C1

this particular rotor (just after Equation (15)) is missing. Without any guidance on how to choose these parameters it is difficult to use the correction proposed in the paper.

- Equation (33) is not derived in the article and it is unclear where it comes from.

I leave it to the editor to decide how to proceed with the article and will provide a more detailed review if desired.

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2020-43>, 2020.