

***Interactive comment on “Implementation of the  
Blade Element Momentum Model on a Polar Grid  
and its Aeroelastic Load Impact” by Helge  
Aagaard Madsen et al.***

**Blondel Frédéric**

frederic.blondel@ifpen.fr

Received and published: 2 October 2019

Dear authors,

It seems to me there might be a typo in equations 17 to 19, unless I misunderstood something. Considering a zero degree yaw angle,  $ka,i$  coefficients all vanish to zero (eq. 19). Thus, from equation (18), the  $ka$  coefficient is also zero (by the way, there is a double closing bracket here). We finally obtain zero induction, from equation (17). I did not checked, but in equation (17),  $ka$  should probably be replaced by  $(1-ka)$ ?

Best regards.

---

C1

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2019-53>, 2019.

C2