



## Corrigendum to “Implementation of the blade element momentum model on a polar grid and its aeroelastic load impact” published in Wind Energ. Sci., 5, 1–27, 2020

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We would like to correct the following errors in the article:

### Section 2.4

Equation (11) should be

$$\alpha_b = \arctan2\left(\mathbf{U}_{\text{grid},b,y}^S, -\mathbf{U}_{\text{grid},b,x}^S\right). \quad (11)$$

### Section 2.6

The induction factor  $a$  used in Sect. 2.6 (Eqs. 28, 30, 31) is the rotor-area-averaged induction factor including tip loss effects. In the time-marching simulations, we compute  $a$  using the rotor-average induced velocities of the previous time step divided by the rotor-average wind speed.

In the last paragraph before Eq. (29), “non-dimensional time step  $\Delta t$ ” (instead of “non-dimensional time step  $\delta t$ ”) should be written.

### Section 2.8

Equation (34) should be

$$C_{Tav}(r) = \frac{\int_0^r C_T(r) 2\pi r dr}{\pi r^2}. \quad (34)$$

The simplification following the above expression in the article is not correct.

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