



Corrigendum to “A computationally efficient engineering aerodynamic model for non-planar wind turbine rotors” published in Wind Energ. Sci., 7, 75–104, 2022

Ang Li, Mac Gaunaa, Georg Raimund Pirrung, and Sergio González Horcas

Department of Wind Energy, Technical University of Denmark, Frederiksborgvej 399, 4000 Roskilde, Denmark

Correspondence: Ang Li (angl@dtu.dk)

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In the above-mentioned paper, Eqs. (2), (9), and (16) contain errors that were introduced during the typesetting process. The corrected equations are shown below.

Section 2

Equation (2) should be

$$\mathbf{V}_{\text{rel},i} = \begin{pmatrix} U_0 + u_{a,i} \\ u_{r,i} \\ -\Omega r_i + u_{t,i} \end{pmatrix}, \quad \Gamma_i^{\text{B}} = \Gamma_i^{\text{B}} \begin{pmatrix} -\sin \kappa_i \\ \cos \kappa_i \\ 0 \end{pmatrix}. \quad (2)$$

Section 3.1

Equation (9) should be

$$u_a(r, x) = \frac{\gamma_t}{2} \left[\frac{R-r+|R-r|}{2|R-r|} + \frac{xk(r, x)}{2\pi\sqrt{rR}} \left(K(k^2(r, x)) + \frac{R-r}{R+r} \Pi(k^2(r, 0), k^2(r, x)) \right) \right]. \quad (9)$$

Section 3.2

Equation (16) should be

$$C_{\text{T,rot},i} = \sum_{j \geq i+1} \left(\frac{k_{s,j}}{2} \right)^2 \left(\frac{1}{\lambda_{R_j}^2} - \frac{1}{\lambda_{R_{j+1}}^2} \right). \quad (16)$$