

Wind Energ. Sci. Discuss., referee comment RC2
<https://doi.org/10.5194/wes-2021-3-RC2>, 2021
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Comment on wes-2021-3

Joseph Saverin (Referee)

Referee comment on "Numerical Investigation of Aerodynamic Performance of Wind Turbine Airfoils with Ice Accretion" by Khaled Yassin et al., Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2021-3-RC2>, 2021

There are numerous grammatical / spelling errors in the text which must be corrected in addition to inconsistent notation. The validation study applied was not necessarily particularly convincing, if possible it would be desired to see application to a more complicated geometry. The error metric chosen is in the view of the reviewer not particularly representative, as the relative error across the airfoil surface is not weighted based on location, which may lead to incorrectly displayed results and or results which are difficult to interpret.

In general to topic is relevant and the choice of modelling is challenging and the contribution should be considered an interesting addition to the literature.

Please also note the supplement to this comment:

<https://wes.copernicus.org/preprints/wes-2021-3/wes-2021-3-RC2-supplement.pdf>