Wind Energ. Sci. Discuss., referee comment RC1
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# Aerodynamic performance of Iced airfoils

Anonymous Referee #1

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-RC1, 2021

Dear Editor, dear Authors,

I believe this paper is interesting and attempts to adress a knowledge gap, i.e. the performance of rough wall models in case on iced wind turbine airfoils. However I believe the methods section needs to be improved for the work to be accepted. It would be very hard for others to reproduce this work reading the paper in it's current state. Also some of the assumptions in the paper appear questionable to me and I believe need further motivation/clarification. For this reason I advise the paper to be reconsidered after major revisions. You can find some more detailed comments in the file attached.

Please also note the supplement to this comment:
https://wes.copernicus.org/preprints/wes-2021-3/wes-2021-3-RC1-supplement.pdf