

Response to Alessandro Bianchini

Thank you very much for taking your time to read this.

We inform you that we have made the major changes according to the referees' requests. Each of them have been informed already.

Changes made were the following:

- a) The abstract was shortened.
- b) The aim of this work was made more noticeable in the introduction.
- c) The whole implementation and validation of the actuator cylinder was explained thoroughly.
- d) The reasons why dynamic stall and flow curvature are included.
- e) Problems with high-solidity turbines are cleared throughout the manuscript.
- f) Details about the meshing procedure, mesh sensitivity, boundary conditions were explained.
- g) Some figures were drawn again with the requirements of the referees.
- h) Appendices regarding the procedure used to obtain turbulent intensity values from real data were included.
- i) A link to a video showing the results in Paraview is also included.

We have made our best make the paper as clear as possible to the readers.

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