

Interactive comment on “Full HAWT rotor CFD simulations using different RANS turbulence models compared with actuator disk and experimental measurements” by Nikolaos Stergiannis et al.

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Dear reviewer,

Thank you in advance for your valuable time and help.

We are very grateful for your comments.

All the questions are addressed in the supplement.

We took everything into consideration and we have revised the paper following your recommendations.

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The following format of answering the questions was chosen:

- Question/Comment (from the reviewer)
- Text from the manuscript (the related text as it was provided in the first manuscript)
- Answer (reply from the authors)
- Changes (new/modified text added to the manuscript)

Additionally, a small paragraph to describe the scope and the added value of the current manuscript from our perspective is given.

We are at your disposal for any further information and willing to improve further our manuscript by adding all the new plots, figures and bibliography files that are also provided in our reply.

Kind regards,

Nikolaos Stergiannis et al.

Please also note the supplement to this comment:

<http://www.wind-energ-sci-discuss.net/wes-2017-6/wes-2017-6-AC1-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., doi:10.5194/wes-2017-6, 2017.

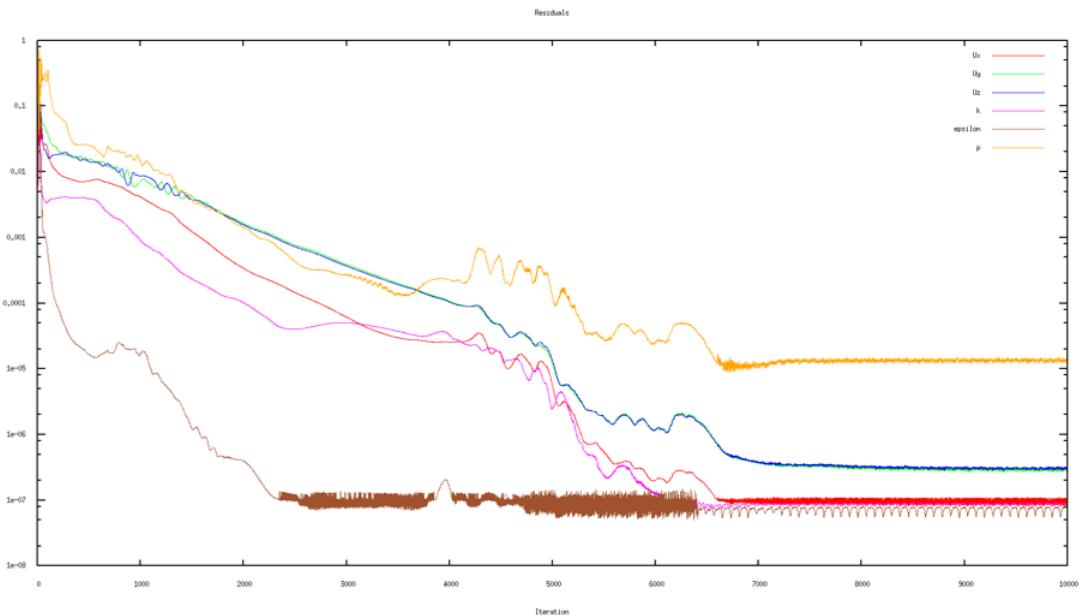
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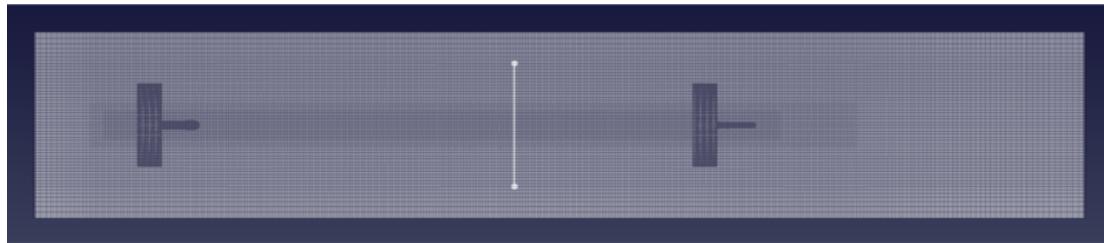
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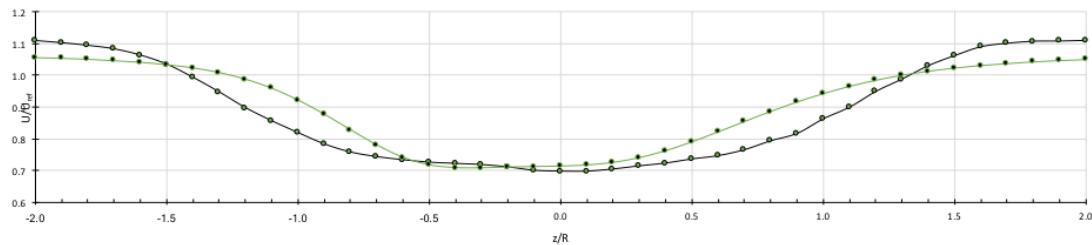
**Fig. 1.**[Printer-friendly version](#)[Discussion paper](#)

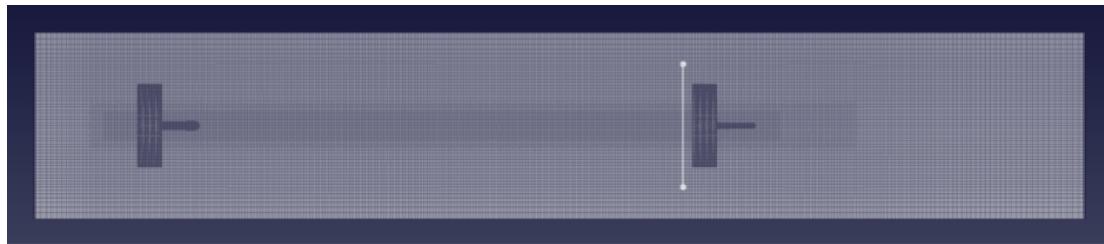
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U* velocity

—●— ME X/D = 5.18 —●— CFD X/D = 5.18

**Fig. 2.**[Printer-friendly version](#)[Discussion paper](#)



U* velocity

ME X/D = 8.50 CFD X/D = 8.50

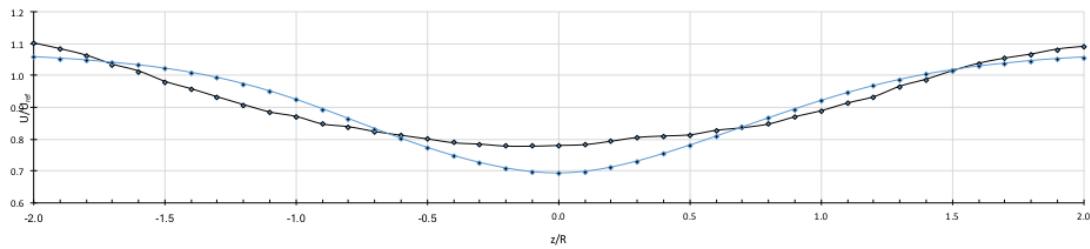


Fig. 3.

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