

Interactive comment on “Multi-element ducts for ducted wind turbines: A numerical study” by Vinit V. Dighe et al.

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Thank you for your valuable comments; very useful to improve the quality of the paper. The following are the responses to the points highlighted.

1. A more detailed description of the DWT, in terms of working principle, will be presented in the revised manuscript. 2. We totally agree that flow unsteadiness increase, especially for higher deflection angles. The scope of the present study was to compare the two most widely used methods for the study of DWT. You are indeed correct; for higher deflection angles, the viscous interactions play a dominant role in approximating the physics involved. The solutions will differ when unsteady RANS effects are taken into consideration (at the cost of computation time). In the revised manuscript, a

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comparison of the same will be presented in the numerical validation section. 3. The differences between the panel and RANS methods stated in terms of percentage will be re-checked. 4. The errors (including typo's) will be rectified.

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