

**The below text was changed in the manuscript.**

Section 2.2 first paragraph (Page-5, line 20):

The approach in the study is based on numerical experiments of two turbines: the DTU10MW (Bak et al., 2013) and the IEA10MW (Bortolotti et al., 2019). The corresponding HAWC2 input files used for this study can be found at (Gozcu and Verelst, 2019). However, the versions of the DTU and IEA10MW models used here are slightly different compared to the original models: the DTU10MW has a small offset on the blade twist distribution, and the IEA10MW has a different drivetrain mass and inertia.

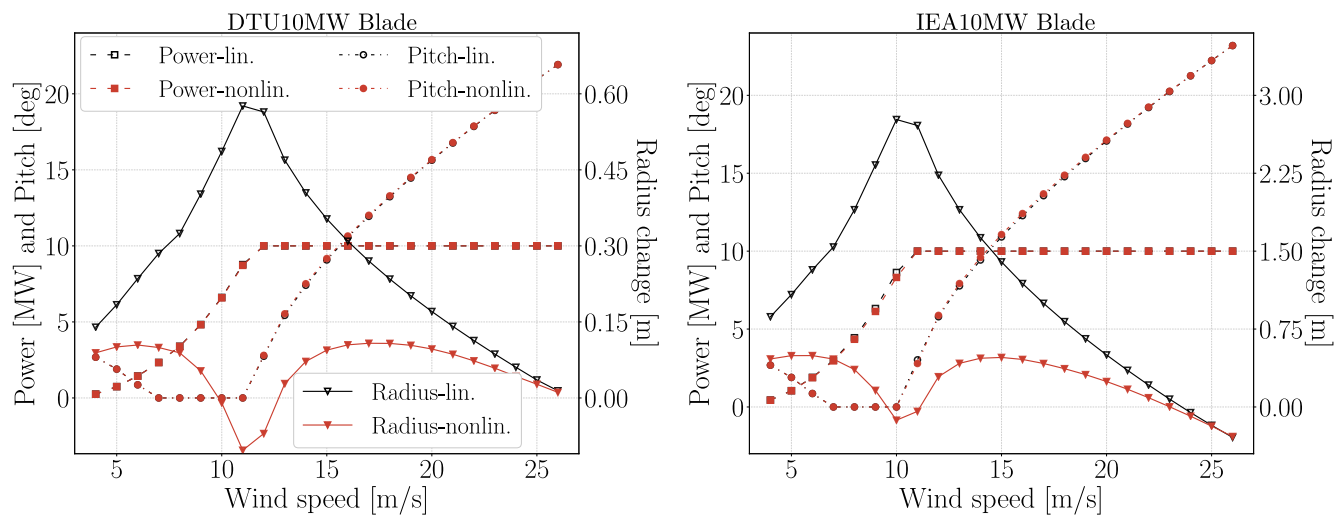
References (Page-21, line 15):

Gozcu, O. and Verelst, D. R.: HAWC2 input data and statistics of time series for the DTU10MW and IEA10MW wind turbines for DLC1.2, <https://doi.org/10.11583/DTU.9771722>, 2019.

**The below figures were updated in the manuscript.**

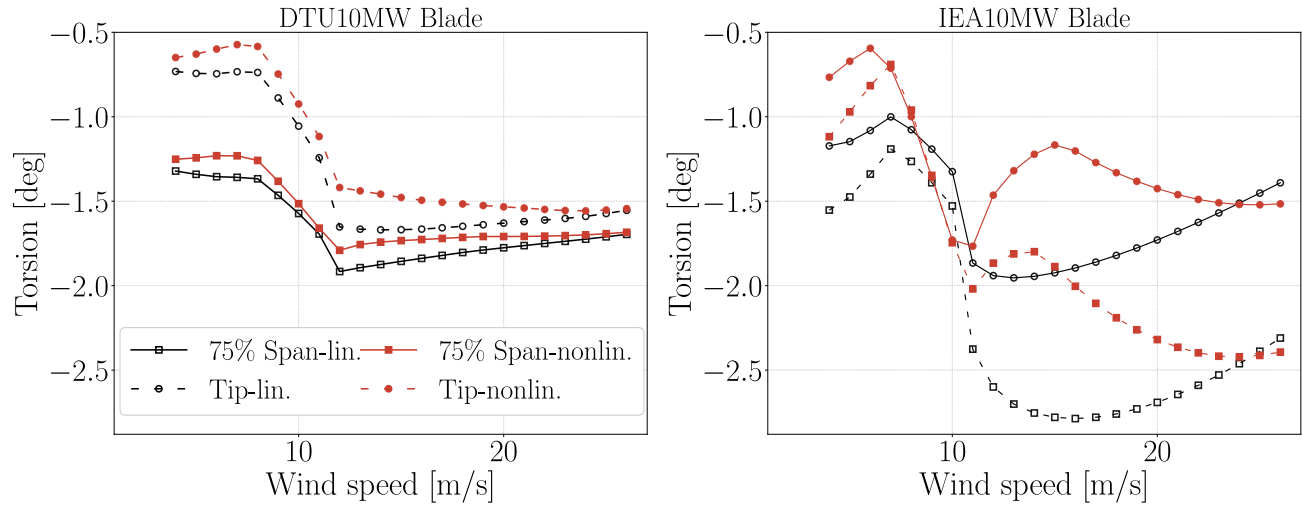
The figures were re-plotted after a small bug found in the post process code. The changes were minimal compared to the previous version. Figure titles (turbine names) were added and the y-axes scale in Figure-4 were made same.

Figure 3 (Page-11):



**Figure 3.** Linear and nonlinear blade model power, blade pitch (left axis in the figures) and effective blade radius change (right axis in the figures) results with respect to wind speeds for steady wind load cases. The left figure shows the DTU10MW results and IEA results are given in the right figure.

**Figure 4 (Page-12):**



**Figure 4.** Linear and nonlinear blade model torsion deformations at 75% blade span and blade tip with respect to wind speeds for steady wind load cases. The left figure shows the DTU10MW results and IEA results are given in the right figure.