

# Wind Blade Analysis for Wind Power - Numerical Results

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## Numerical Results

Depending on the mesh used, values for the torque on the blade can range from 0.02 to 0.04 N-m for the simulation as it was shown in the videos. Newer versions of ANSYS may use a different cell count, mesh quality, and solver algorithm which accounts for this discrepancy.

In CFD-Post, when calculating the torque, newer versions of ANSYS do not let you select "Air" as the fluid. The two options under the "Fluid" dropdown are "All Fluids" and "Mixed" - the recommended selection is "All Fluids", but both selections should give you the same final answer for the torque.

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