

Challenges in simulating coastal effects on an offshore wind farm - DTU Orbit (09/11/2017)

Challenges in simulating coastal effects on an offshore wind farm: Paper

The effect of a coastline on an offshore wind farm is investigated with a Reynolds-averaged Navier-Stokes (RANS) model. The trends of the RANS model compare relatively well with results from a mesoscale model and measurements of wind turbine power. In addition, challenges of modeling a large domain in RANS are discussed.

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