Sea state1, uniform wind v=38.7 m/s, regular wave

Thrust





















The BEM with Dyn. Stall gives stable results. The BEM off with no dyn. Stall leads to instability.

The BEM off with dyn. Stall gives similar result to that of BEM with STALL.

Sea state1, turbulent wind v=38.7 m/s, regular wave











3. 950s turbulent wind and irregular series

























Land-based turbine, turbulent wind v=38.7m/s













Conclusion

For the land-based turbine and turbulent turbine, there is larger variation when BEM and STALL is disabled. For the floating turbine, the difference is large when wind is uniform and wave is regular. When the wind becomes turbulent and wave is irregular, the difference is small.