

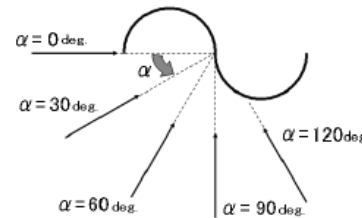
Numerical simulation for characteristic analysis of vertical axis wind turbine

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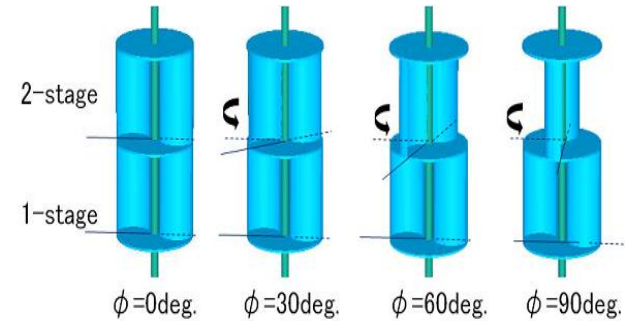
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Research Objective

The vertical axis type is stable because it can put the generator etc at the bottom of the wind turbine, and it is considered to be suitable for installation in an unstable place like offshore. We tried to find an optimum shape.



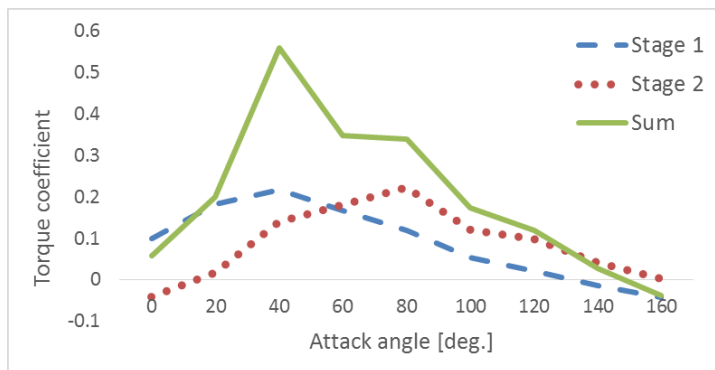
Attack angle



Define of phase (2-stages degree)

Result

$\phi = 30\text{deg}$



$\phi = 90\text{deg}$

