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Dynamic modeling of vortex induced vibration wind turbines

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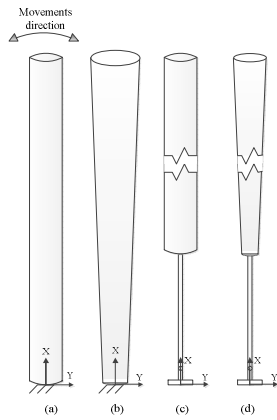
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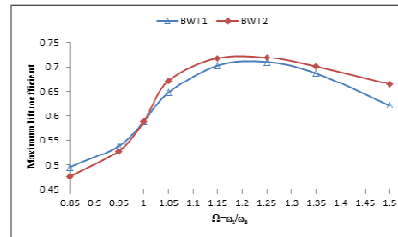
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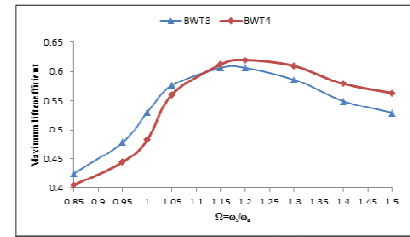




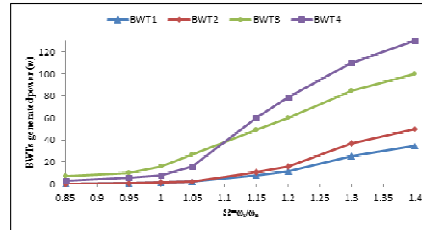
Geometrical model of the bladeless wind turbine
(a) BWT1, (b) BWT2, (c) BWT3, (d) BWT4



Lift coefficient curves of BWT1 and BWT2 versus non-dimensional frequencies Ω



Lift coefficient curves of BWT3 and BWT4 versus non-dimensional frequencies Ω



Power level transmitted to BWTs in the lock-in bound

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