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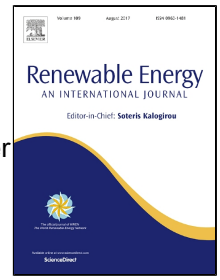

Aerodynamic stability of airfoils in lift-type vertical axis wind turbine in steady solver

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Highlights

- Aerodynamic stability of airfoil used in vertical axis wind turbine has been examined, instead of only focusing on energy coefficient.
- Steady method has been applied in order to focus on static forces and moment on airfoil.
- Speed synthesis on airfoil has been applied according to the steady method.
- Deviation and fluctuation have been introduced to analyze stability of airfoil.