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**FOUR AERODYNAMIC PREDICTION SCHEMES FOR  
VERTICAL-AXIS WIND TURBINES - A COMPENDIUM**

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**ABSTRACT**

Four aerodynamic models/design tools used to predict the performance for the vertical-axis wind turbine (VAWT) are described. These models are all based upon the conservation of momentum, and are either currently being used at Sandia Laboratories or have been recently used there. A number of comparisons both with the experiments and between the mathematical treatments is made.

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