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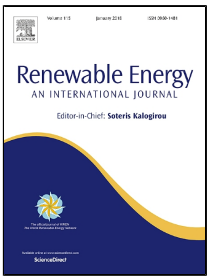


Shape Optimization of a Savonius Wind Rotor with Different Convex and Concave Sides

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1. The two sides of a Savonius blade is optimized.
2. CFD simulations and PSO algorithm are combined for the optimization.
3. The efficiency of the rotor is increased by 4.41%.

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