## Accepted Manuscript

Title: Two-Dimensional Integral Equation for a Thin Wind Turbine Blade Rotating in the Round Tunnel

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## ACCEPTED MANUSCRIPT

- The integral equation method is applied to study Wind Turbine blade in a tunnel.
- Integral equation holds over the blade surface if Green's function is specific.
- Green's function is constructed in explicit analytical form.
- It is proved that Green's function possesses the required qualitative properties.

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