

WRAPPING AROUND OSCILLATING WING FLOW OF AN IDEAL INCOMPRESSIBLE FLUID

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Within the framework of an ideal incompressible fluid wrapping around an oscillating thin finite span wing working in the mode of force creation is considered. Numerical algorithm for solving the problem is presented. The comparison of the efficiency of the wing rectangular in the plan and the wing with the form in the plan, close to the real form of the Dolphin tail fin is carried out.

Keywords: *carrying surface, free vortex surface, thrust coefficient, hydrodynamic efficiency.*

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