

## **Exact solutions of basic variational inverse boundary value problem of aerohydrodynamics**

Elizarov A., Fokin D.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

The problems of determining the maximum lift attainable on wing profile and the corresponding profile form are considered, in particular, for the ideal incompressible fluid model the construction of exact solutions different from a circle (with non-circle extremal) is reported.

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