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Exact boundary controllability of the Euler equations of incompressible perfect fluids in dimension two. (Contrôlabilité exacte frontière de l'équation d'Euler des fluides parfaits incompressibles bidimensionnels.) (French. Abridged English version) Zbl 0781.76013
C. R. Acad. Sci., Paris, Sér. I 317, No. 3, 271-276 (1993).

Summary: We prove the exact boundary controllability of the Euler equations of incompressible perfect fluids in dimension two on a bounded, connected, and simply connected open subset.

MSC:

76B99 Incompressible inviscid fluids

93C20 Control/observation systems governed by partial differential equations

35Q35 PDEs in connection with fluid mechanics

Cited in **1** Review
Cited in **30** Documents

Keywords:

return method; linearized control system