

Shape Optimization

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Lecture Notes

Support document for a MAREVA¹ course (in French).

Introduction à L’Optimisation de Forme

Research

I am a former student of Jean-Paul Zolésio.

Shape Optimisation: Nonlinear Systems and Fluid Mechanics
PhD Thesis (2000).

Boundary variations in the Navier-Stokes equations and Lagrangian functionals

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Shape derivative of sharp functionals governed by Navier-Stokes flow

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¹MAREVA is the Applied Mathematics Minor of MINES ParisTech “Master’s in Science and Executive Engineering” degree.