Conference on Calculus of Variations in Lille - 3rd edition - July 4-6 2022

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A free discontinuity problem in fluid mechanics

Monday, July 4, 2022 4:00 PM (30 minutes)

We consider an incompressible Stokes fluid contained in a box B that flows around an obstacle $K \subset B$ with a Navier boundary condition on ∂K . I will present existence and partial regularity results for the minimization of the drag of K among all obstacles of given volume.

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