
Vanishing viscosity limit with a rough boundary

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Abstract

We shall study the vanishing viscosity limit of a two-dimensional incompressible fluids with a slip boundary condition on a rough boundary (measured with a small scale roughness parameter). We will be interested in a simultaneous limit when the viscosity and the roughness parameter tend to zero. (joint work with D. Gérard-Varet, C. Lacave and T. Nguyen)

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