

# Quelques méthodes récentes pour l'étude du système de Navier-Stokes à densité discontinue / Recent approaches for the study of the Navier-Stokes equations with discontinuous density

*lundi 21 mai 2018 14:00 (1 heure)*

The inhomogeneous incompressible Navier-Stokes equations that govern the evolution of viscous incompressible flows with non-constant density have received a lot of attention lately.

In this talk, we shall focus on the singular situation where the density is discontinuous, which is in particular relevant for describing the evolution of a mixture of two incompressible and non reacting fluids with constant density, or of a drop of liquid in vacuum.

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