

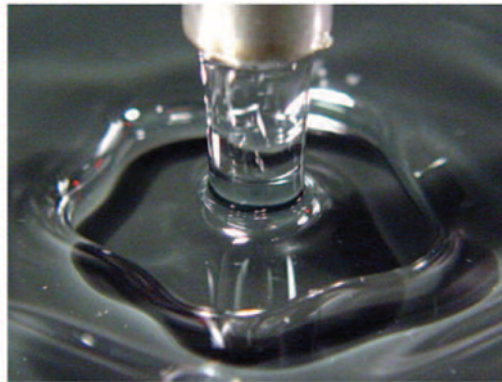
Instabilité d'un anneau de vorticit  permanente au voisinage d'une interface libre

M. Labousse¹, B. El Hadj Ma ga², I. Cantat³, A. Saint-Jalmes³ et M. Roch ²

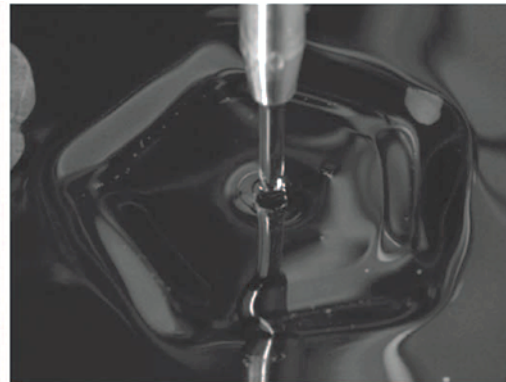
1. Mat riaux et Ph nom nes Quantiques (Paris Diderot – CNRS)

2. Mati re et Syst mes Complexes (Paris Diderot – CNRS)

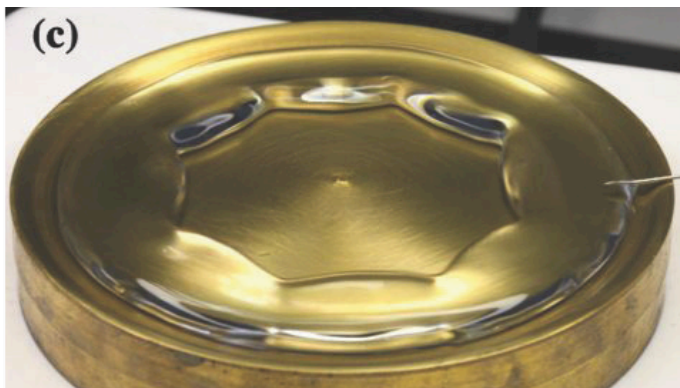
3. Institut de Physique de Rennes (Universit  Rennes 1 – CNRS)



Ressaut hydraulique^a



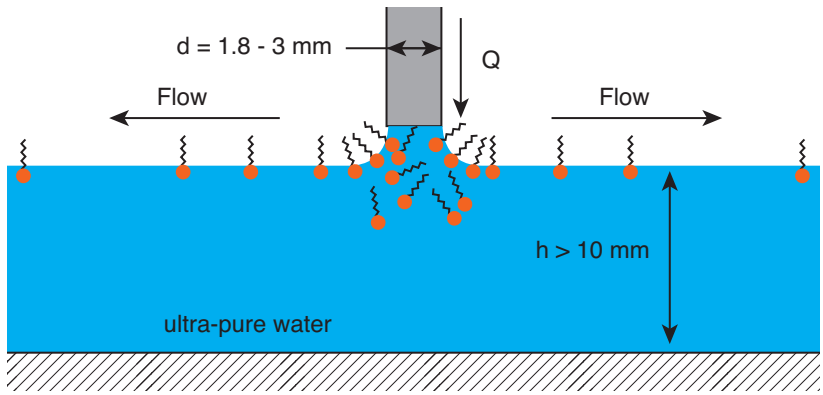
Bosse hydraulique^a



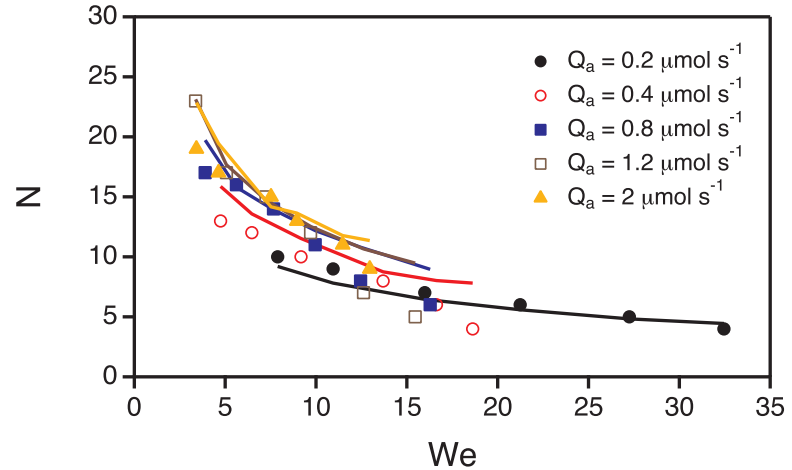
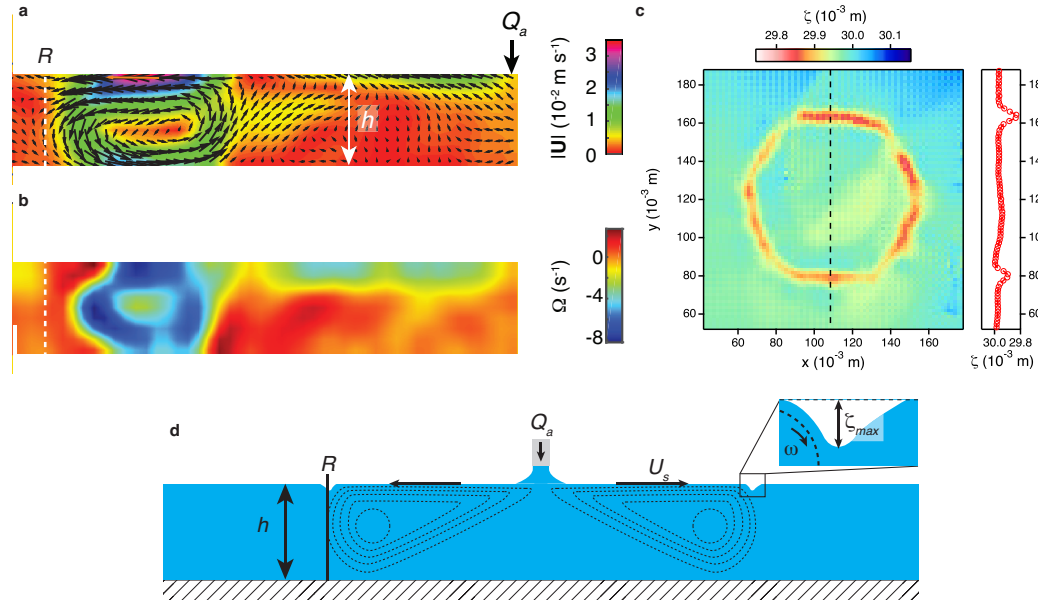
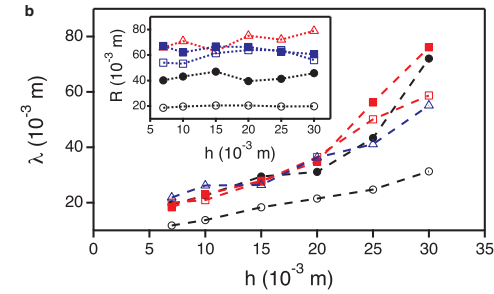
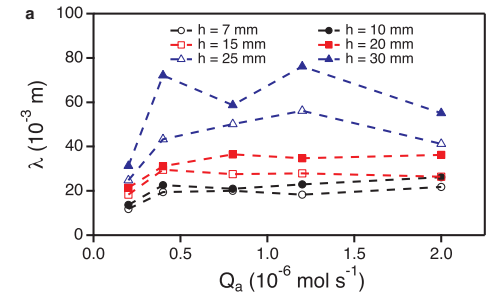
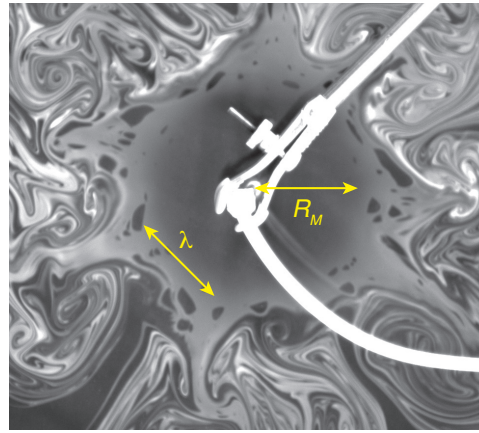
Anneau en l vitation Leidenfrost^b



 coulement de Marangoni induits par des tensioactifs hydrosolubles



Traceurs dispersés dans la solution injectée



$$N_{th} = \frac{R}{a} \sqrt{\frac{1+We}{3}} \quad We = \frac{\rho v^2 a}{\gamma_w}$$