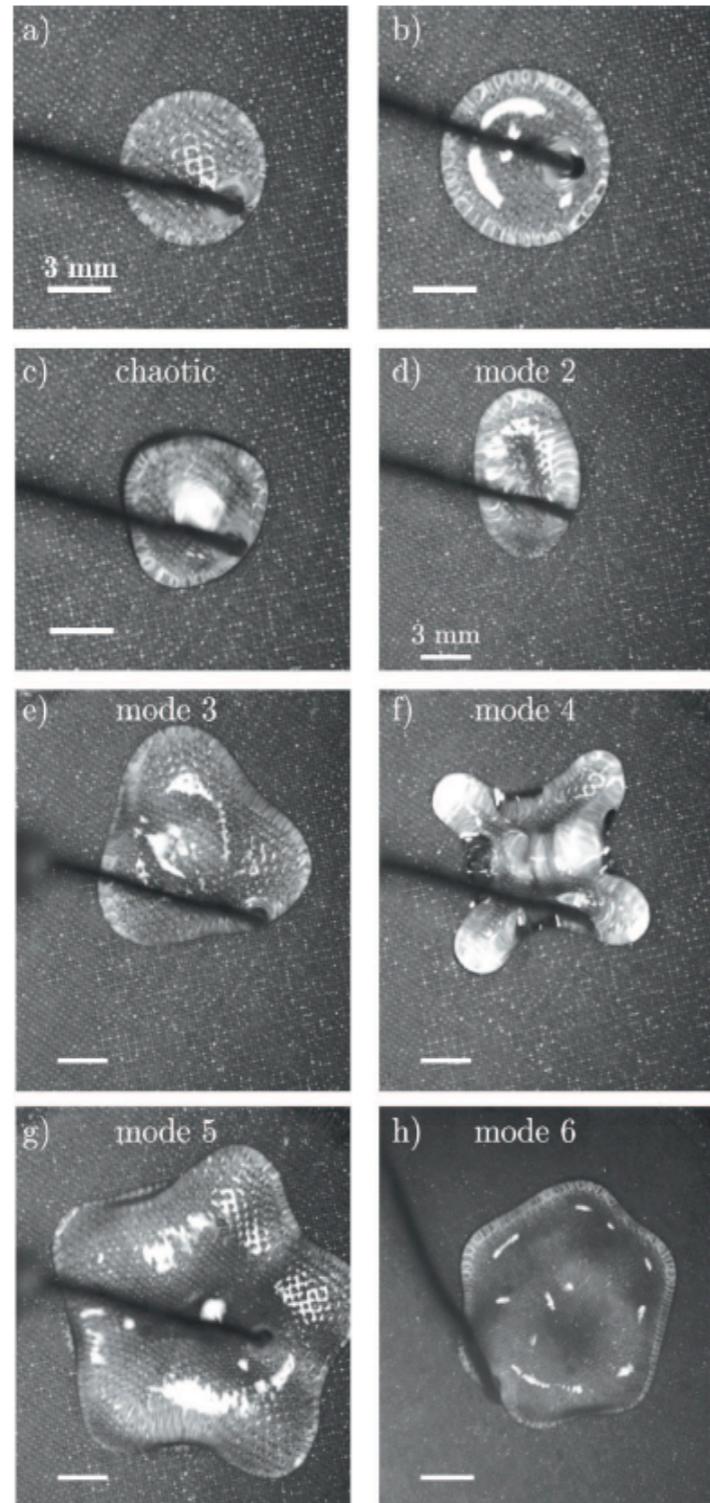
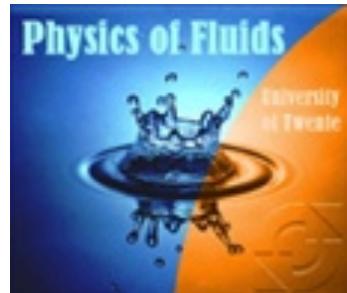


Des Gouttes Etoilées en Lévitation

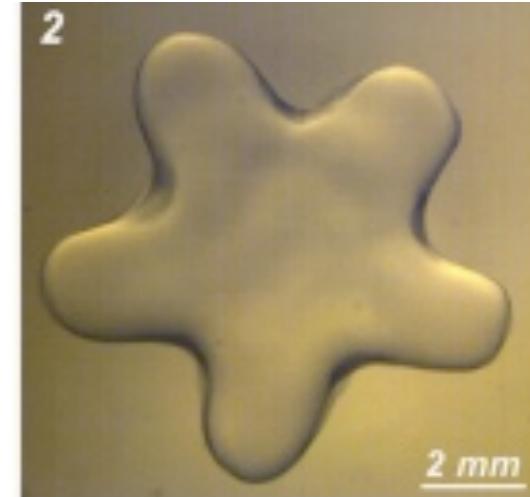
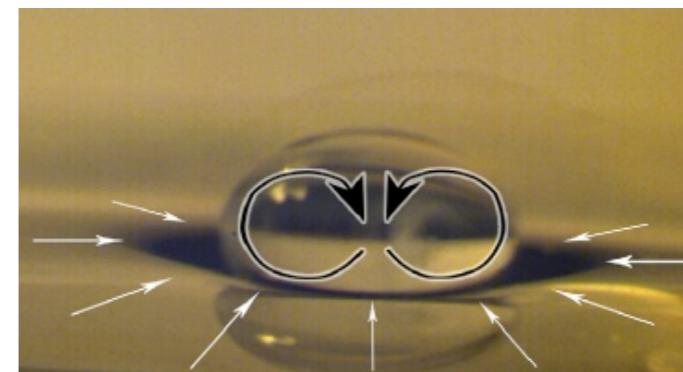
W. Bouwhuis¹, K.G. Winkels¹, P. Brunet², I.R. Peters¹, D. van der Meer¹ and J.H. Snoeijer¹

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Reminiscent of:

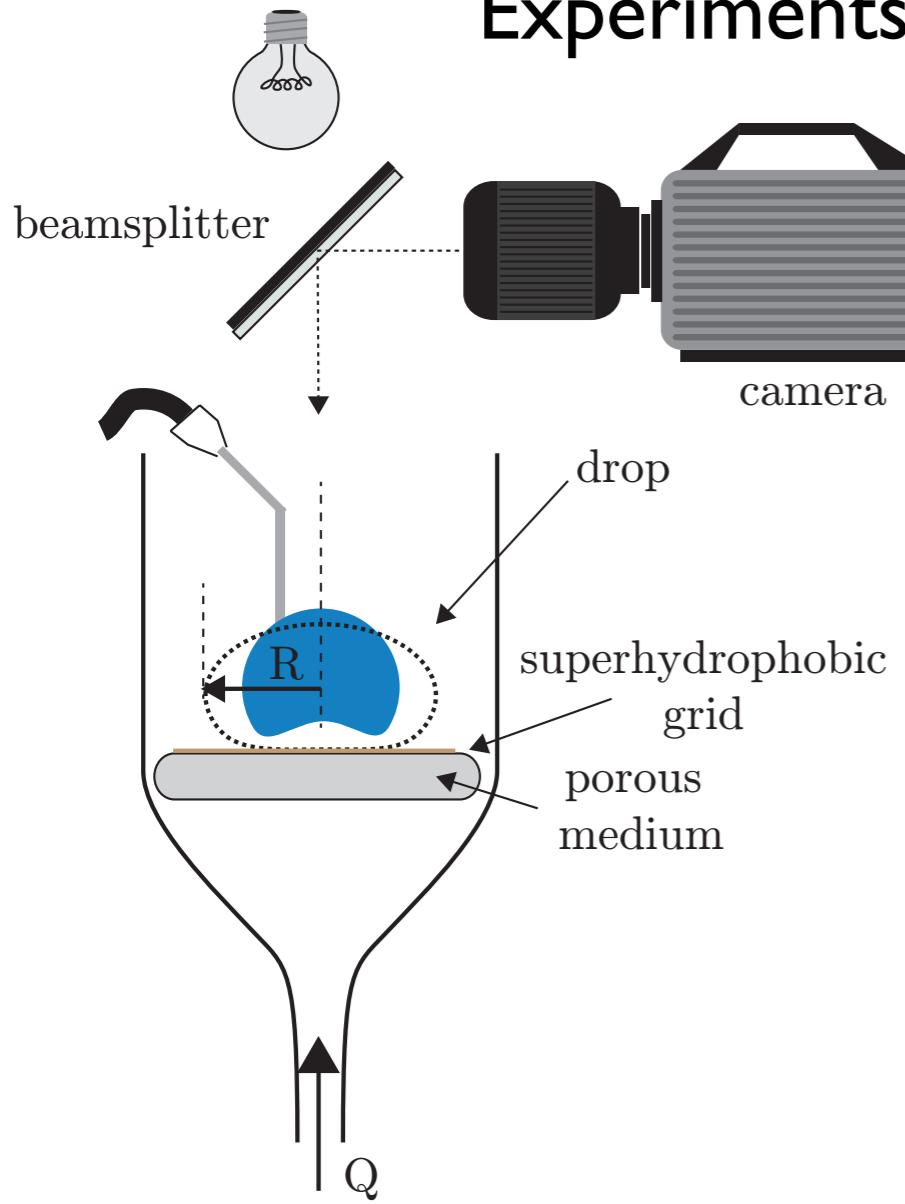


Leidenfrost stars

A. Snezhko, E. Ben Jacob & I.S. Aronson,
N. J. Phys. 2008 (liquid nitrogen)

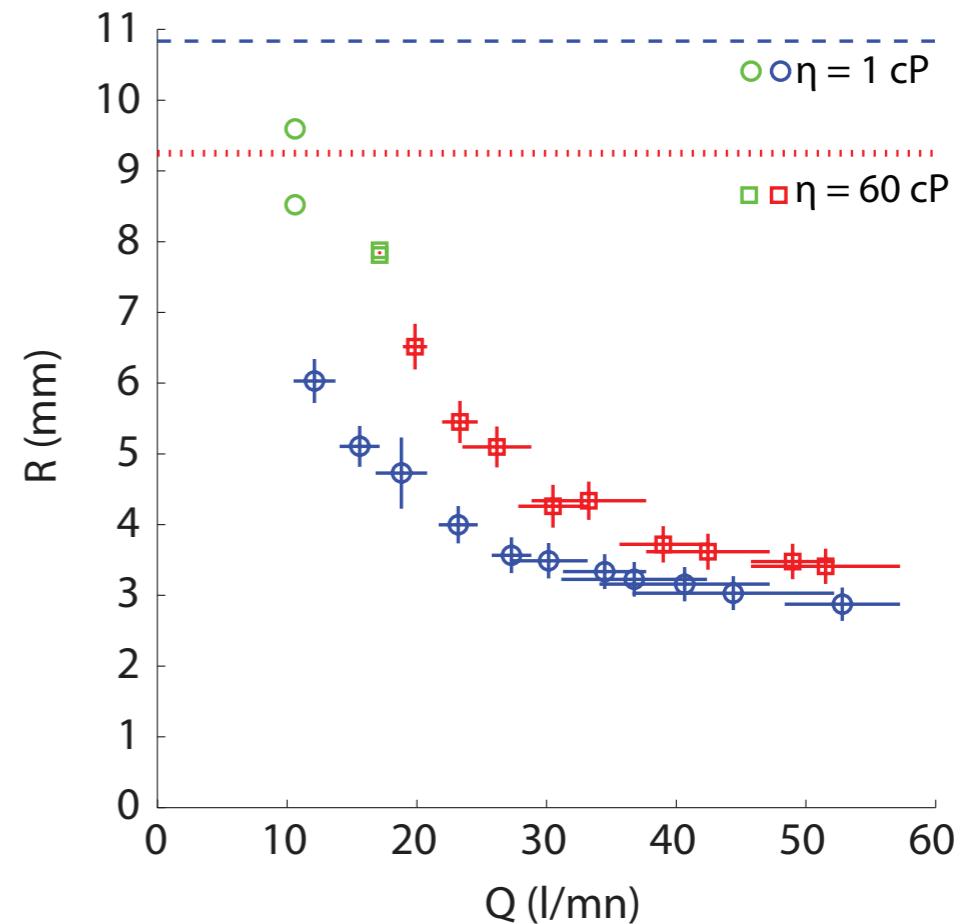
Lévitation «froide» sur coussin d'air

Experiments by K.Winkels



+ Numerical simulations
(W. Bouwhuis)

Threshold for the appearance of oscillations



Green circles \circ correspond to a «chimney» instability when a air bubble grows, rises and breaks through the drop.
See: [Snoeijer, Brunet and Eggers PRE 79, 036307 \(2009\)](#)

Larger drops get destabilized at smaller flow-rate