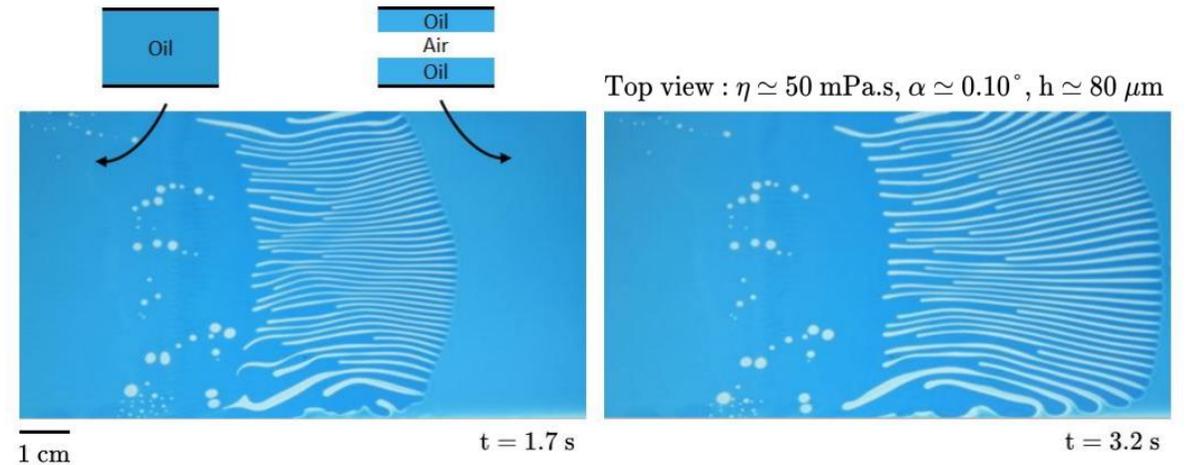
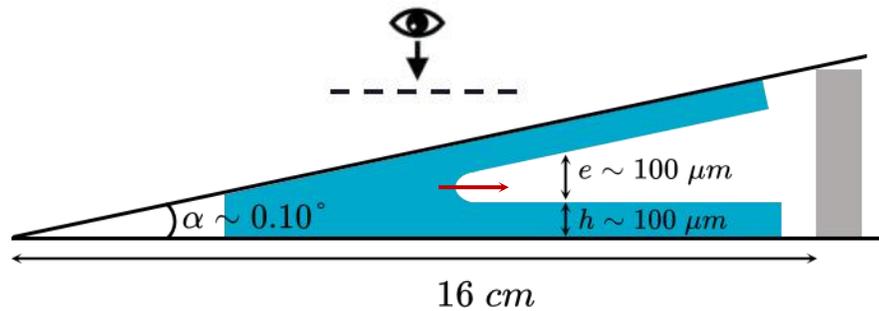


Maud Dobler¹, José Bico¹, Étienne Reyssat¹, Laurent Duchemin¹.

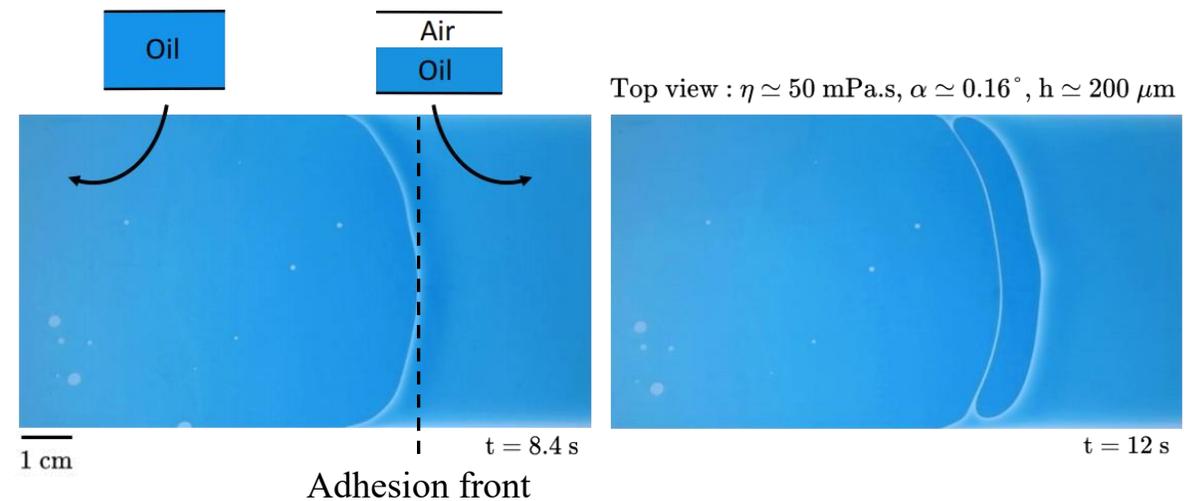
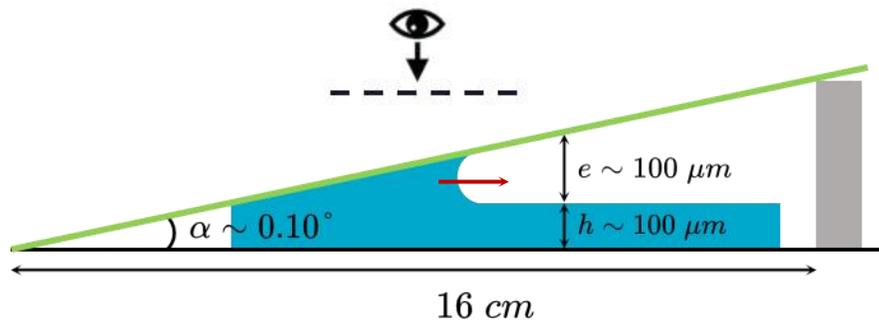
¹Physique et Mécanique des Milieux Hétérogènes (PMMH), CNRS UMR-7636, ESPCI-Paris, Université PSL, Sorbonne Université, Université Paris Cité, Paris, France.

Two oil-coated plates



M. L'Estimé, L. Duchemin, É. Reyssat & J. Bico, Fingering instability in adhesion fronts, *Journal of Fluid Mechanics*, **949**, A46 (2022).

A single plate coated with oil



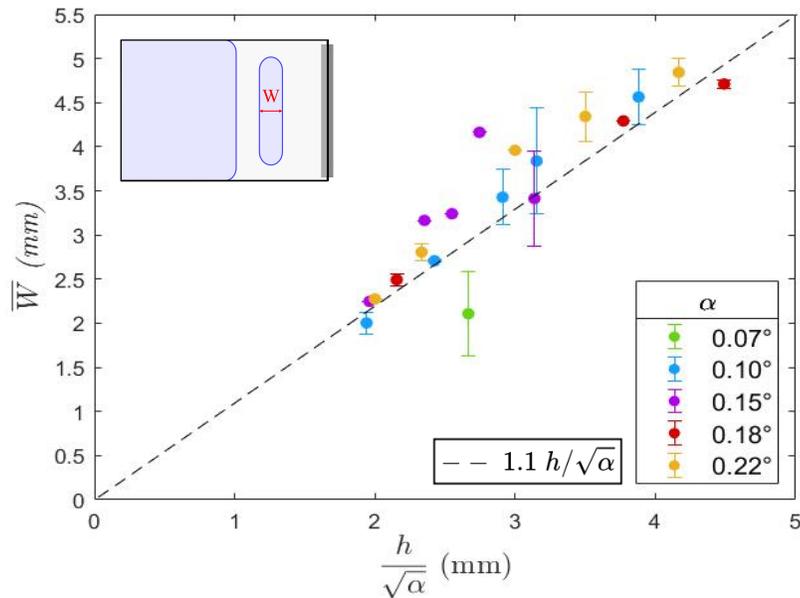
Maud Dobler¹, José Bico¹, Étienne Reyssat¹, Laurent Duchemin¹.

¹Physique et Mécanique des Milieux Hétérogènes (PMMH), CNRS UMR-7636, ESPCI-Paris, Université PSL, Sorbonne Université, Université Paris Cité, Paris, France.

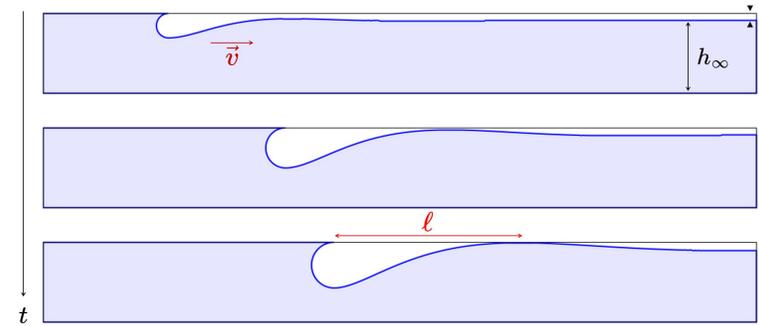
Experimental results

Geometrical characteristics

Global dynamics of the interface



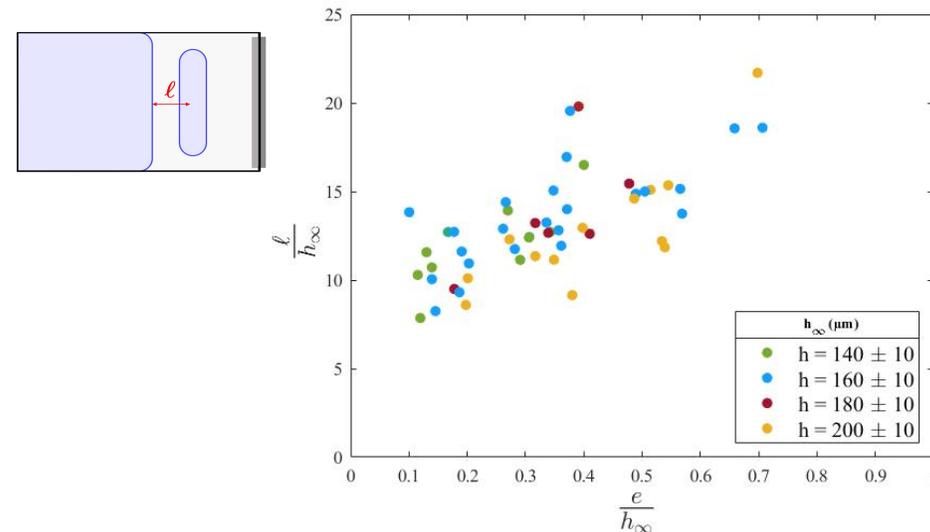
Finger nucleation



Lubrication equation

$$\frac{\partial h}{\partial t} = -\frac{\gamma}{3\eta} \frac{\partial}{\partial x} \left[h^3 \frac{\partial^3 h}{\partial x^3} \right]$$

Side view of a numerical simulation realized by Laurent Duchemin



Experimental data to be compared with the numerical simulation