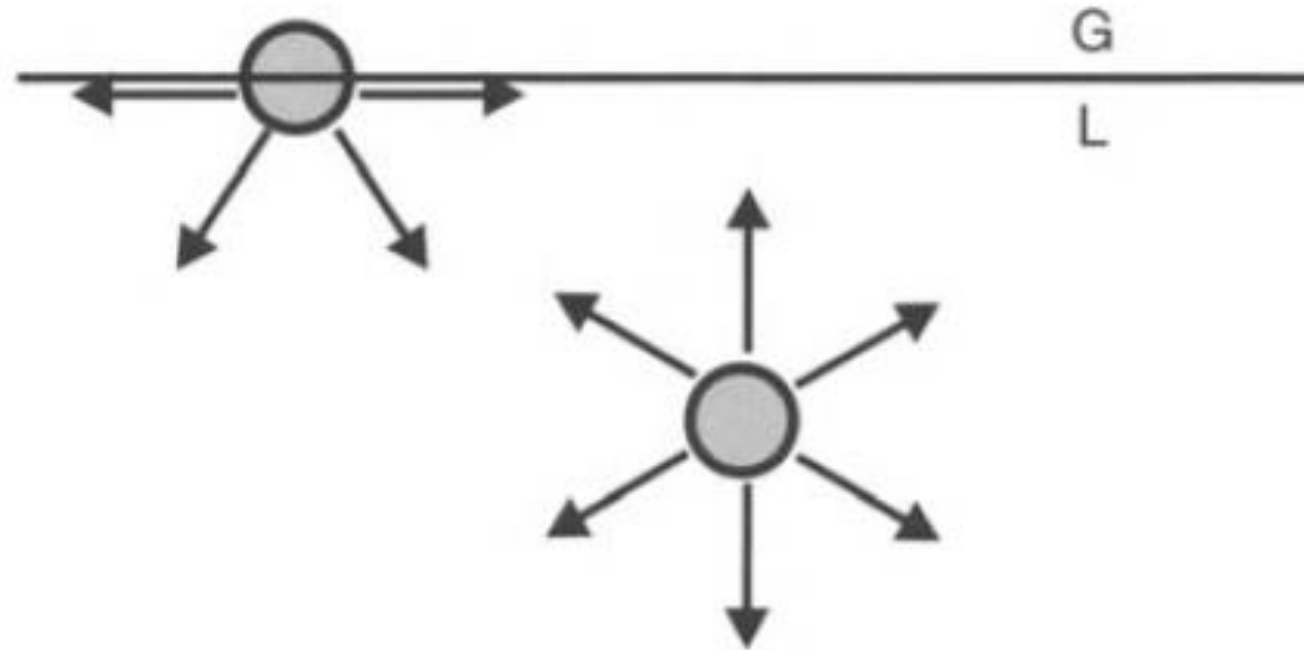


L.P. 10 – Phénomènes interfaciaux impliquant des fluides

Marchetti Benjamin

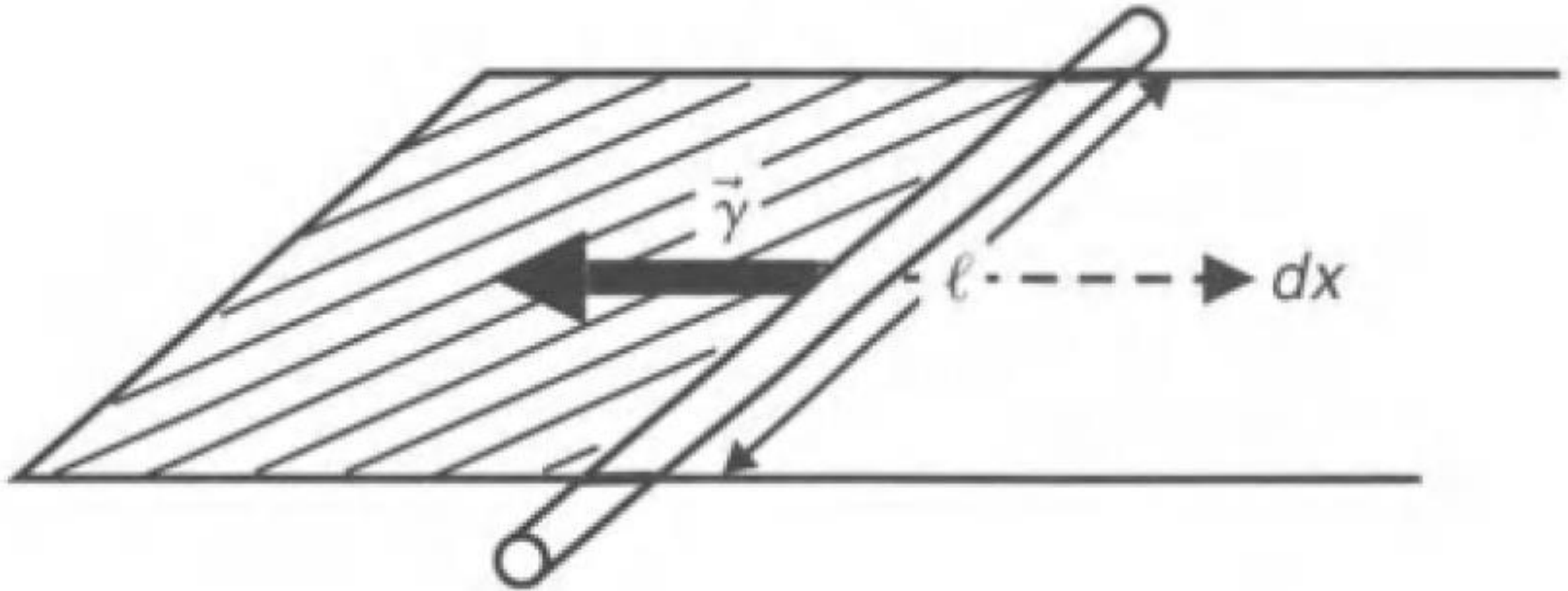
1. Tension superficielle

Origine macroscopique



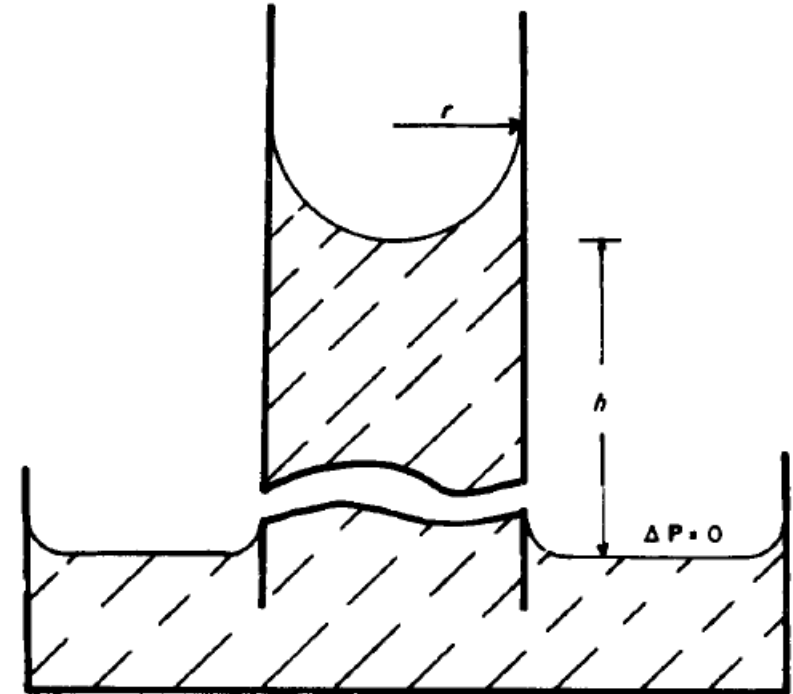
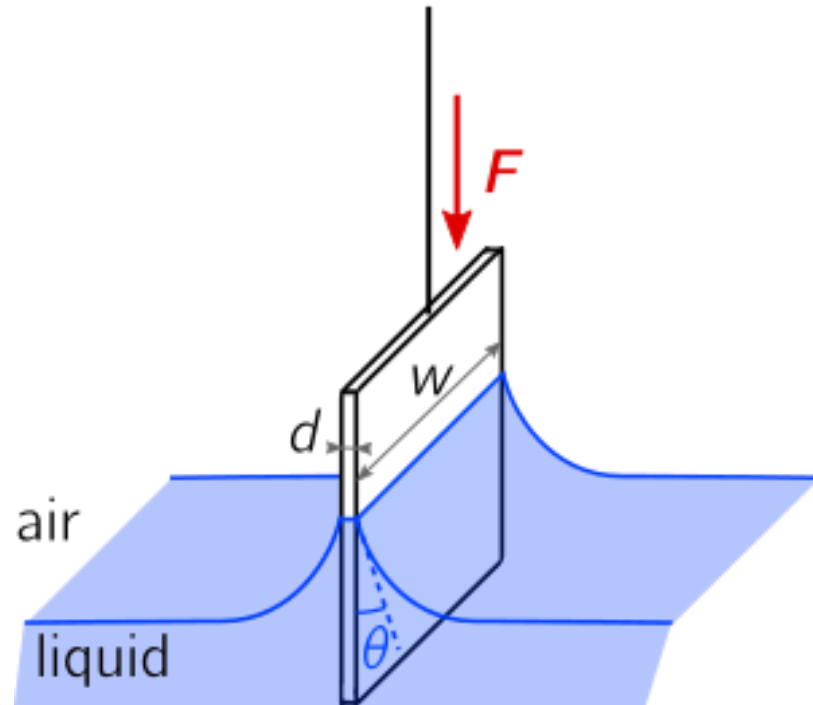
1. Tension superficielle

Energie superficielle et force capillaire

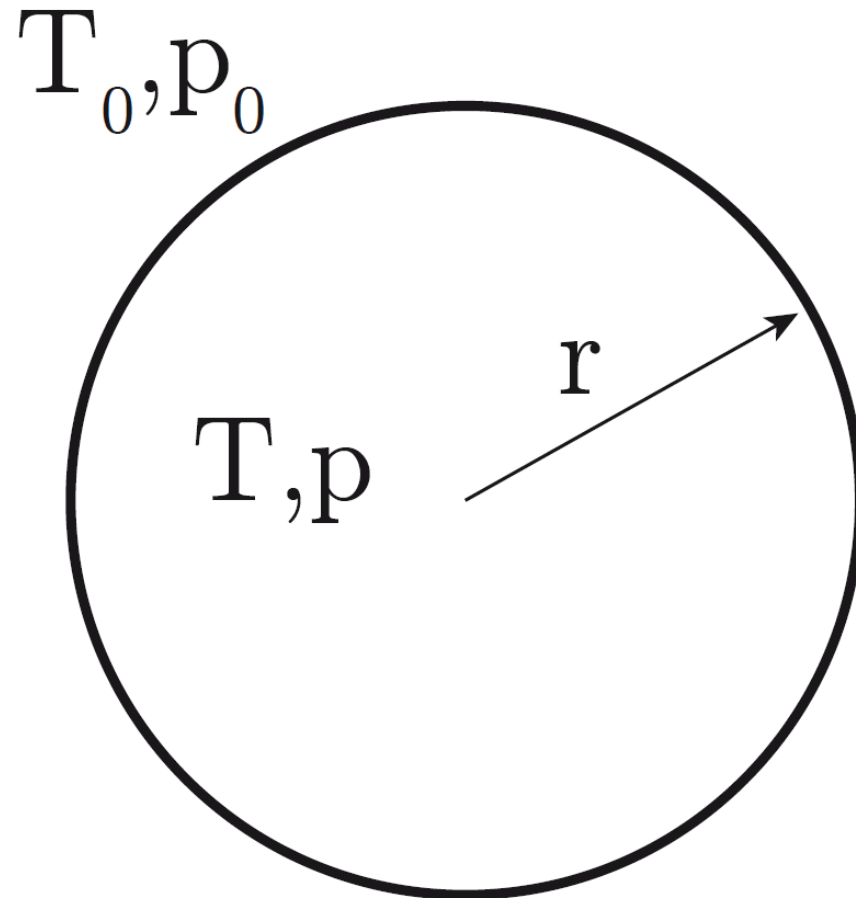


1. Tension superficielle

Méthodes de mesure

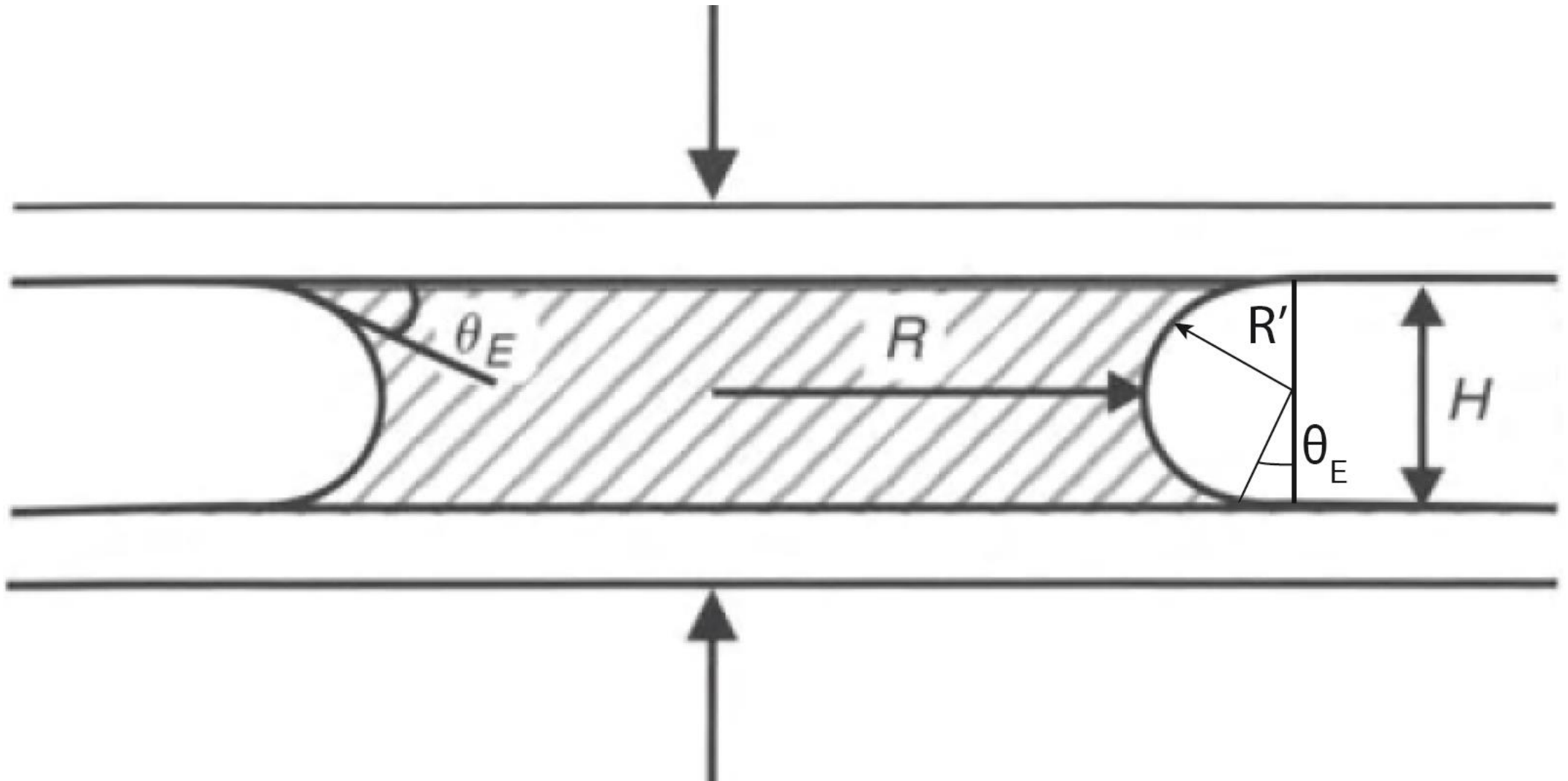


2. Interface à deux fluides Loi de Laplace

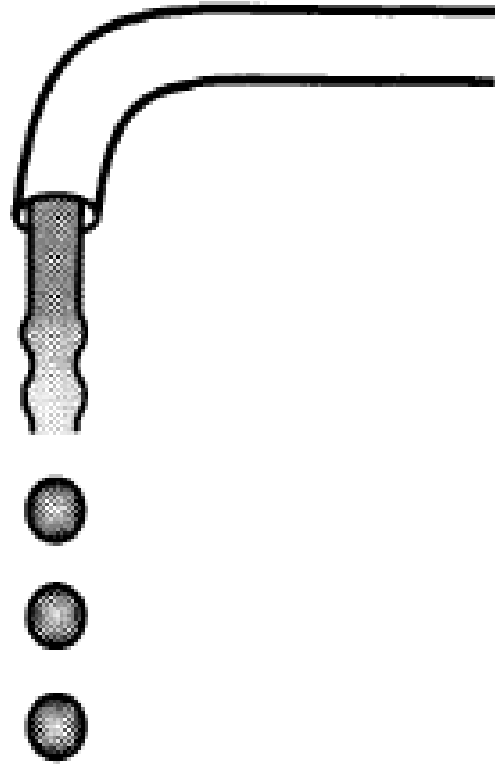


2. Interface à deux fluides

Application : adhésion capillaire

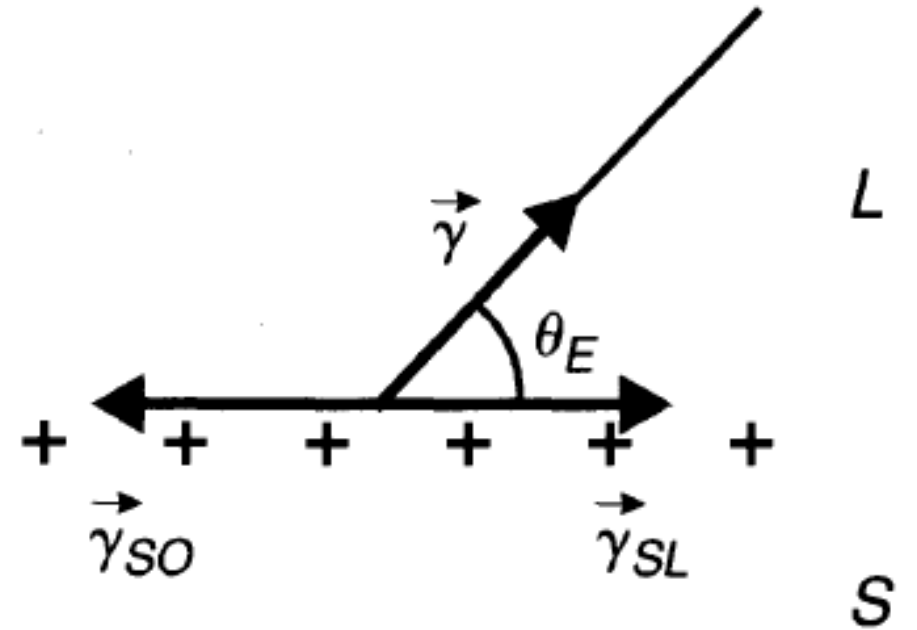
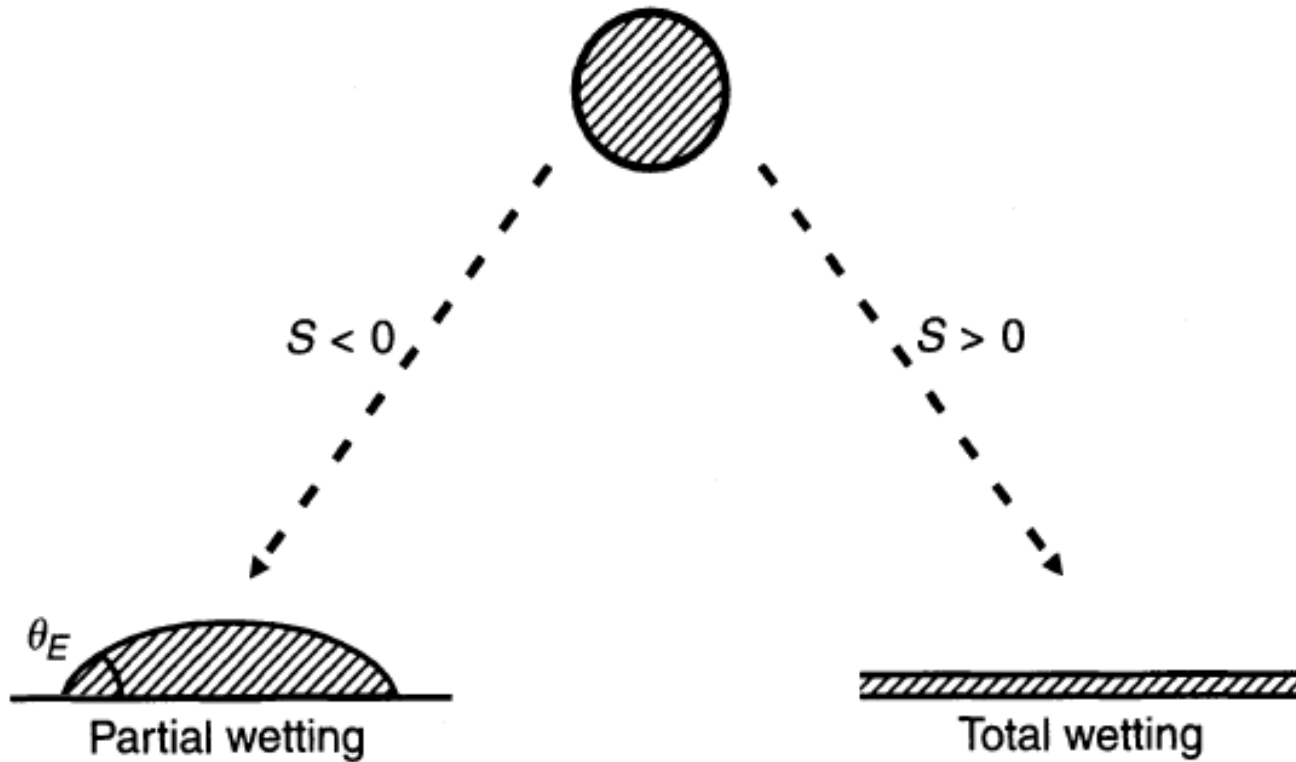


2. Interface à deux fluides Instabilité de Rayleigh-Plateau



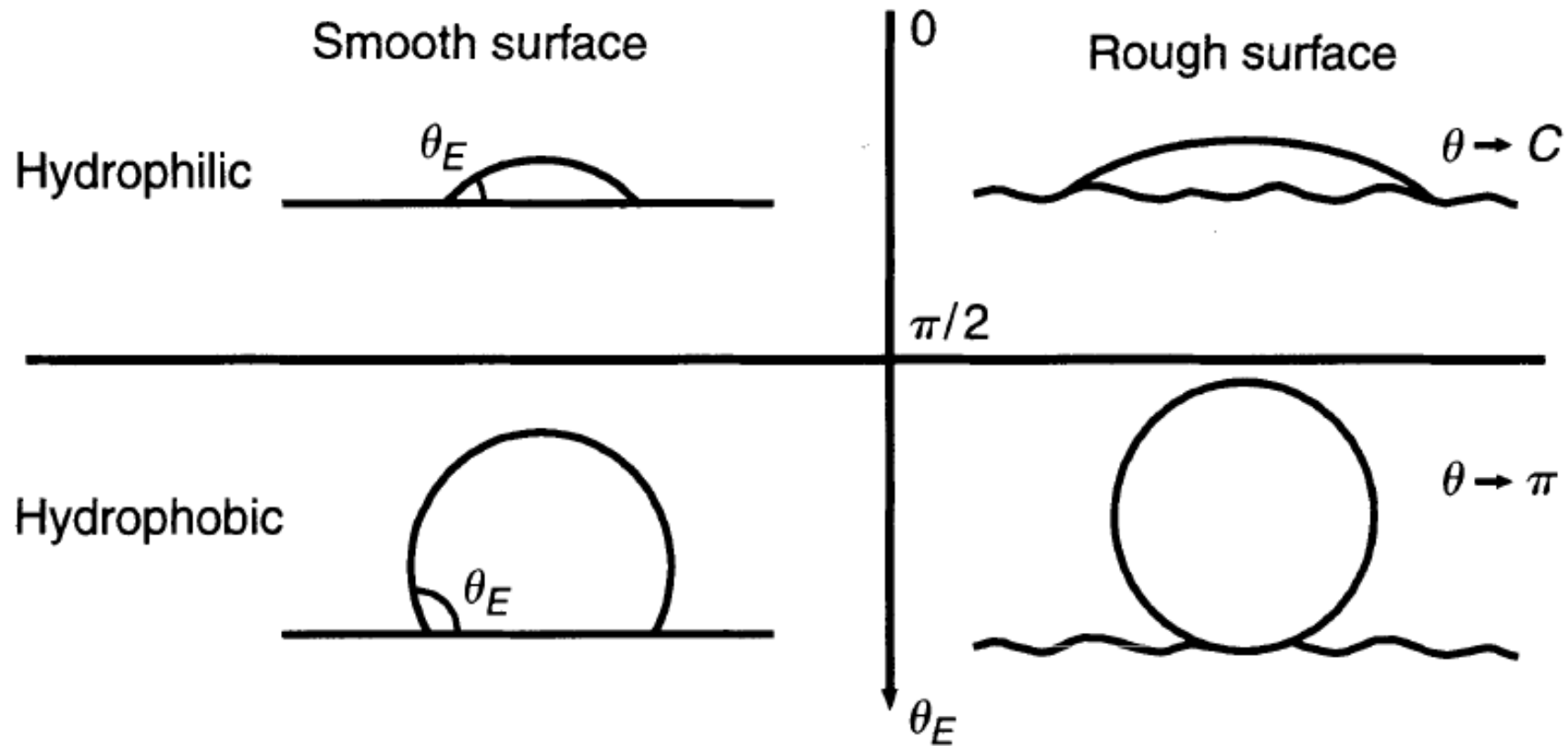
3. Contact à 3 phases : le mouillage

Angle de mouillage

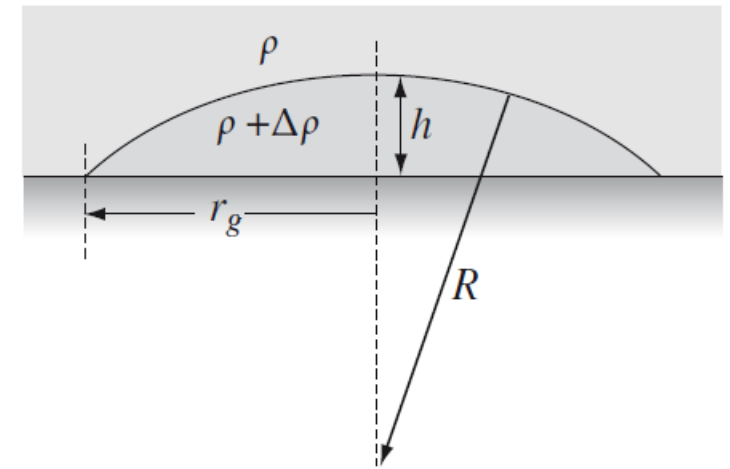
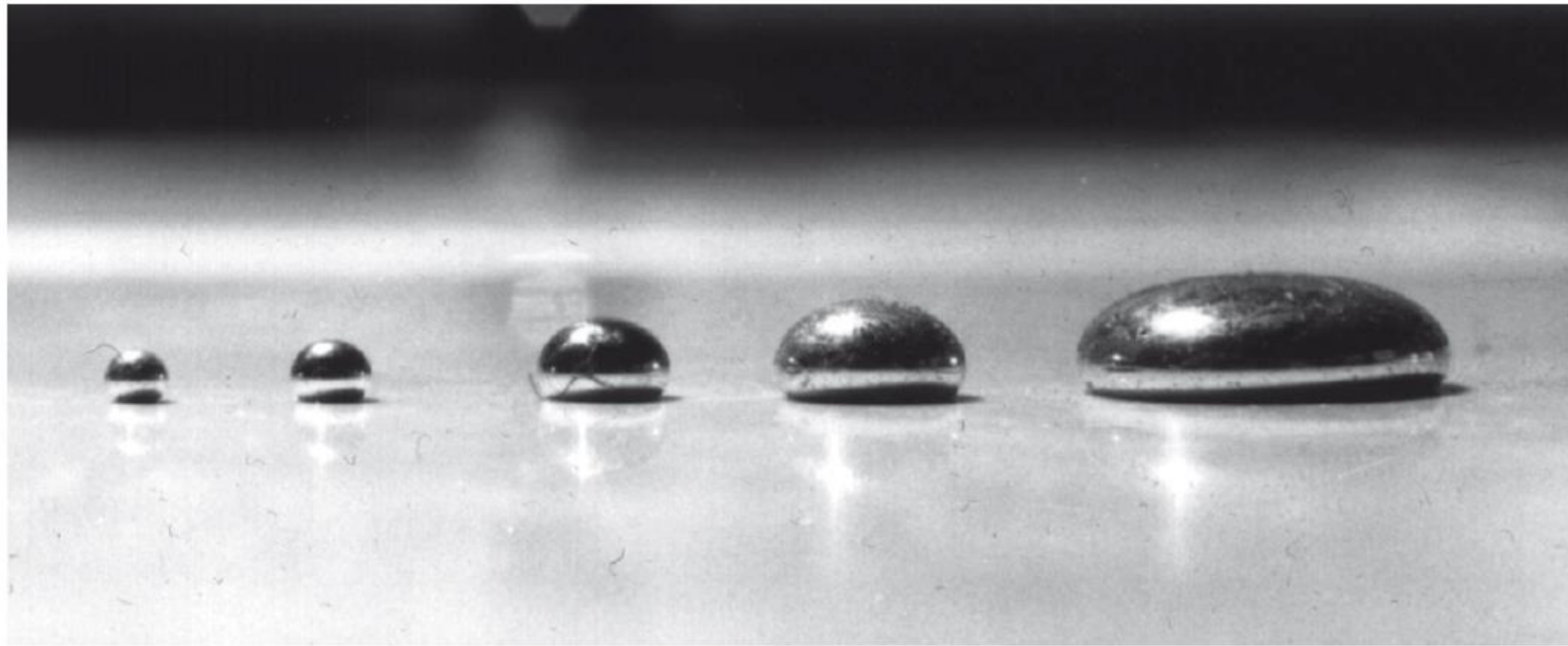


3. Contact à 3 phases : le mouillage

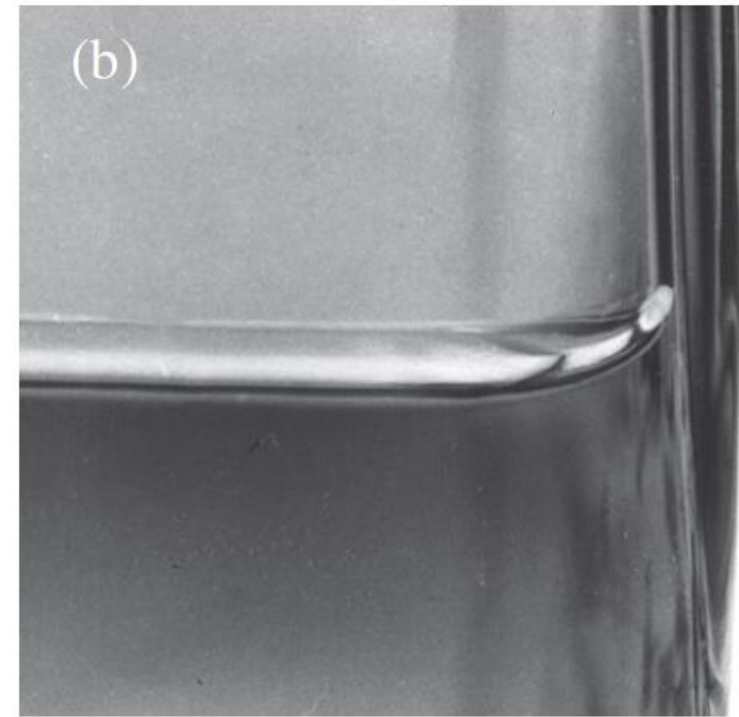
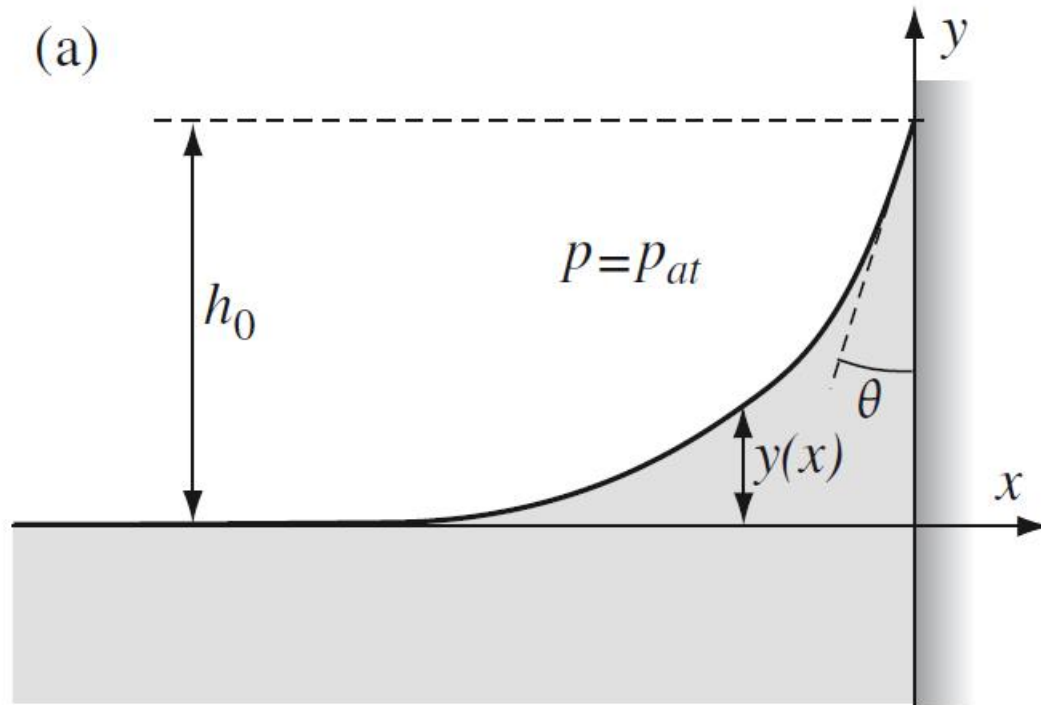
Angle de mouillage



3. Contact à 3 phases : le mouillage Influence de la gravité



3. Contact à 3 phases : le mouillage Ascension capillaire



3. Contact à 3 phases : le mouillage Loi de Jurin

