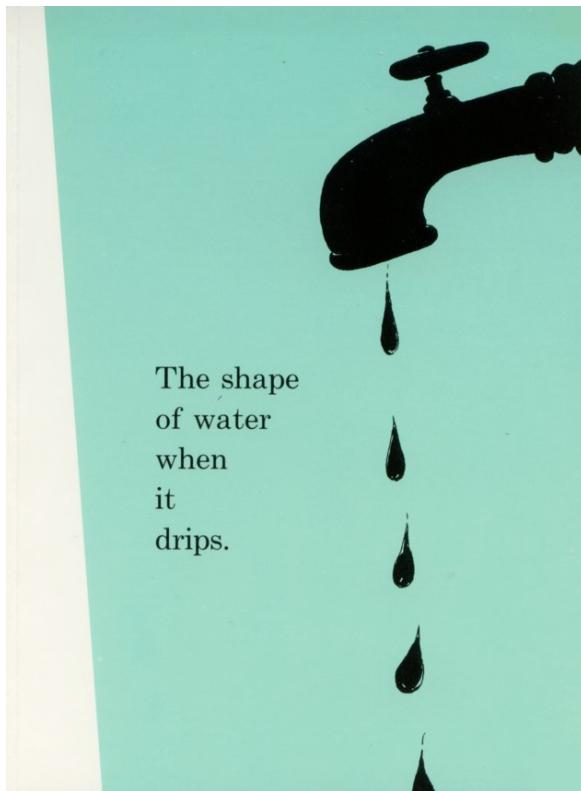


Millifluidics,
1. Surface Tension

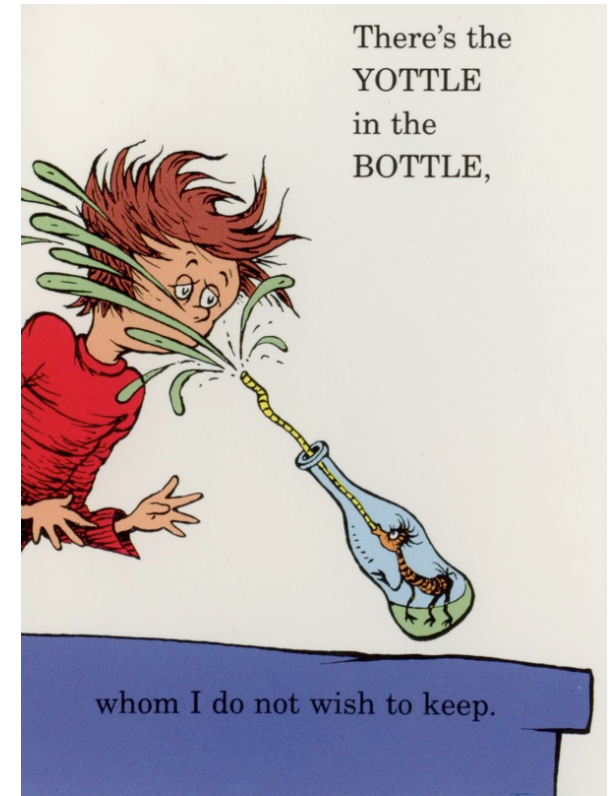
Shape of droplets... by Dr Seuss



The shape of me and other stuff



There's a wocket in my pocket



by Curious Georges...



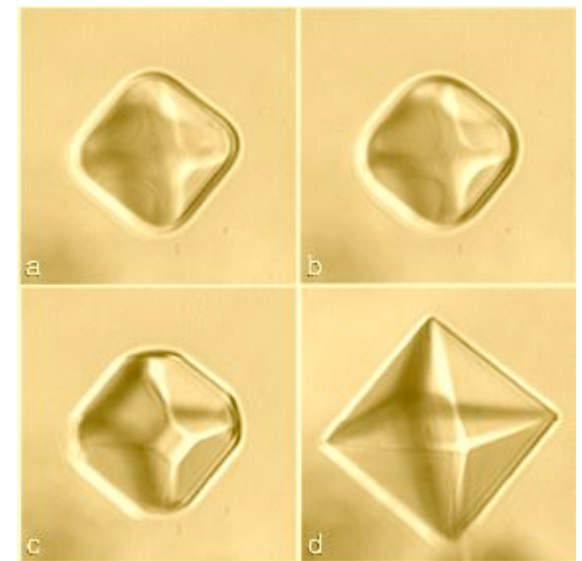
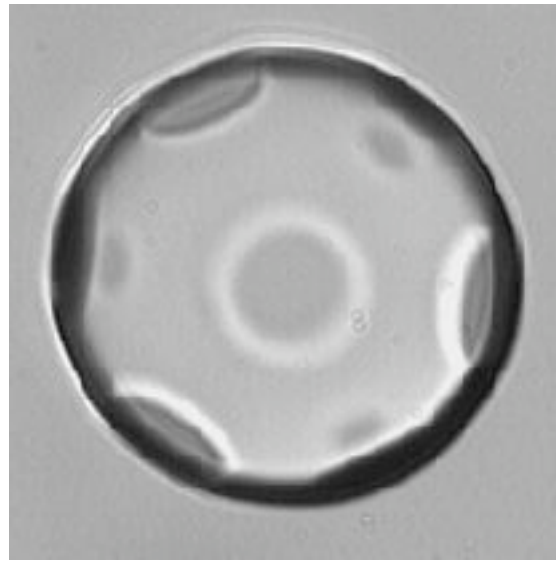
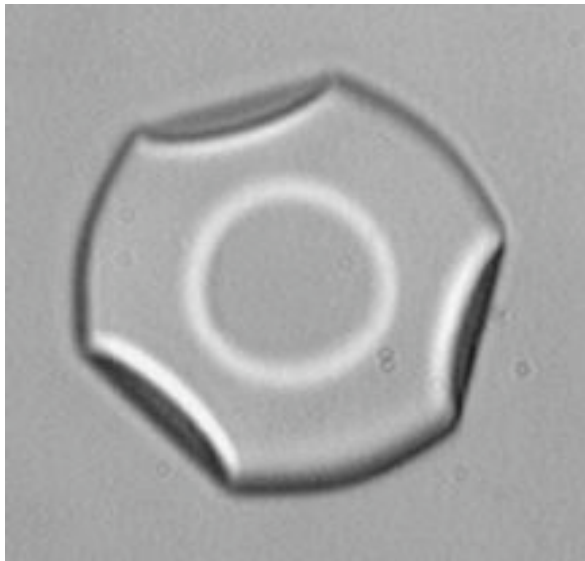
from Opposites

Nasa version...



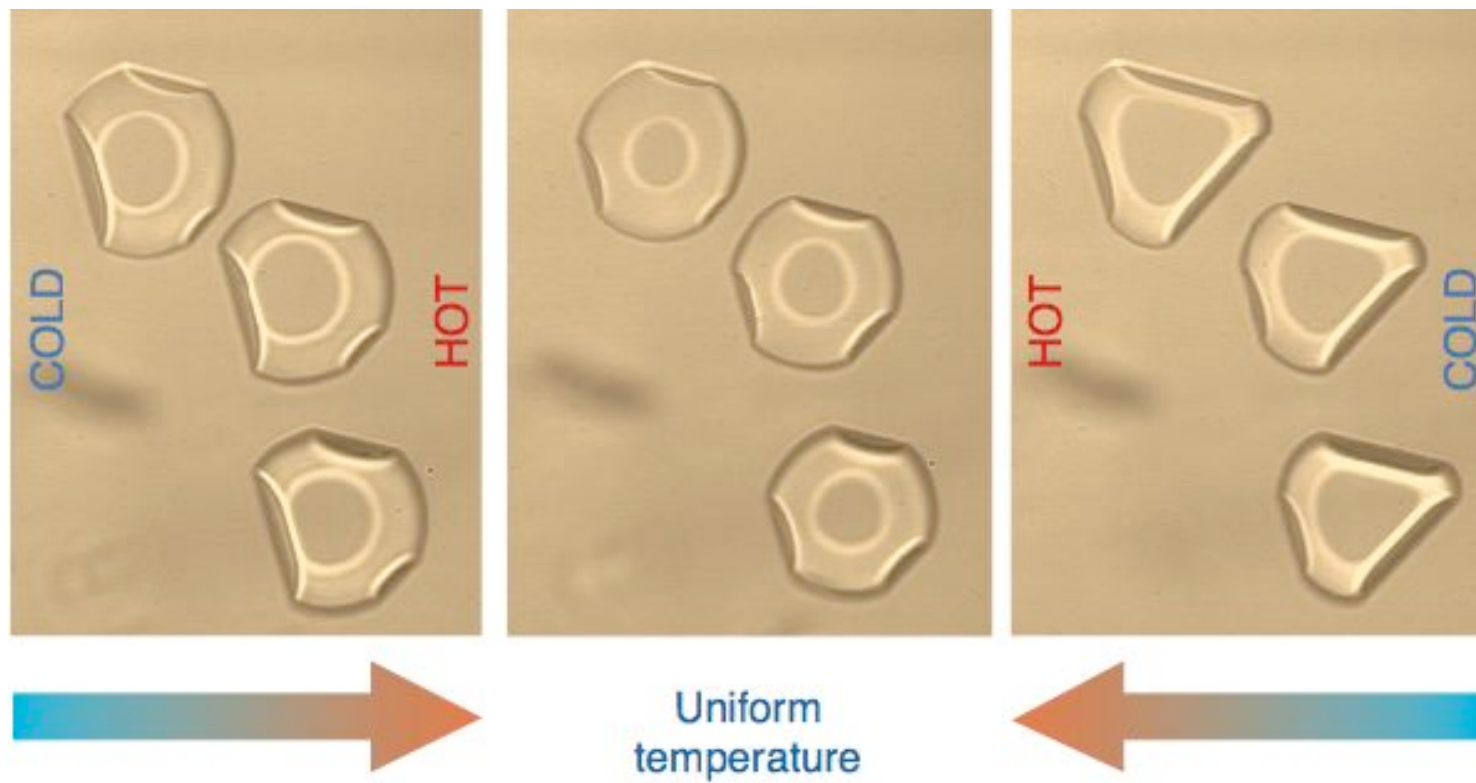
M. Weislogel, <http://microgravity.grc.nasa.gov/balloon/blob.htm>

French version...



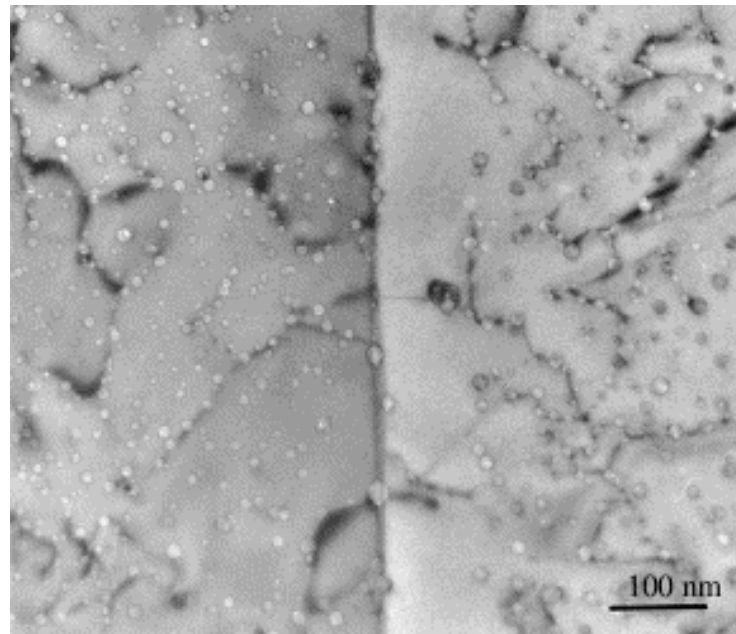
Lyotropic liquids: non isotropic surface tension

P. Pieranski, P. Sotta



P. Pieranski, P. Sotta

Irradiated materials



Helium bubbles inside steel irradiated by γ rays

J. Chen et al.

Surfaces of "0" curvature



catenoid

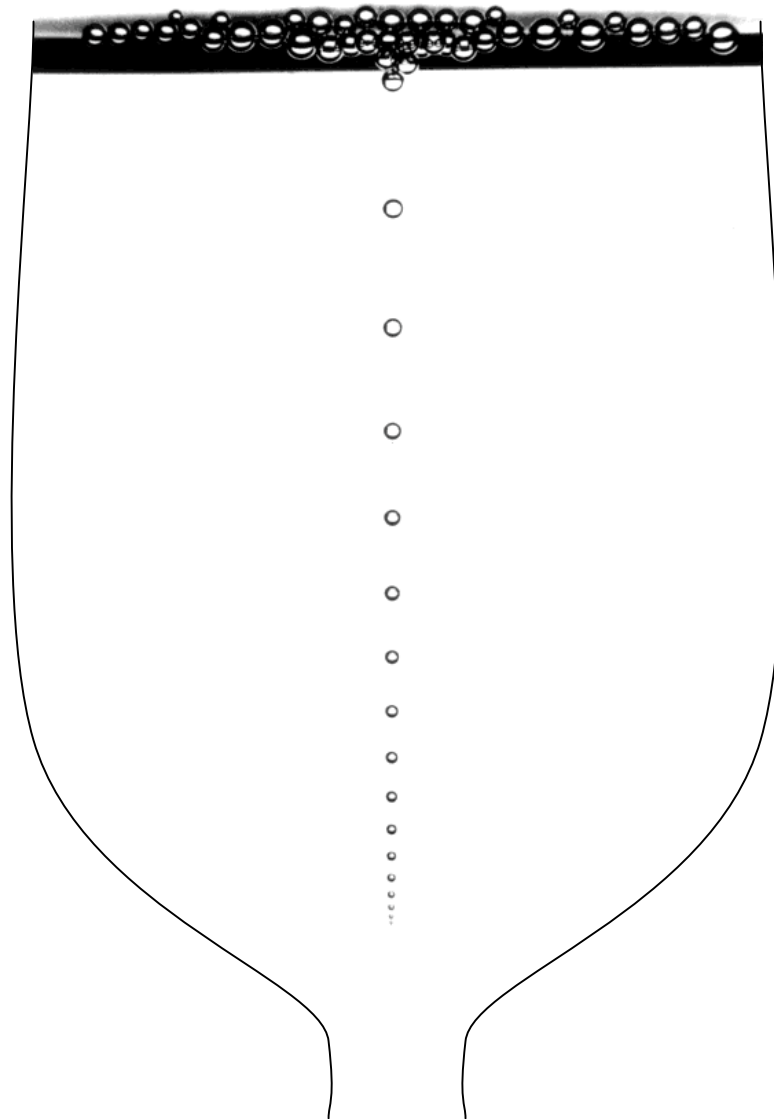
Dep. Math., Univ. Trento



helix

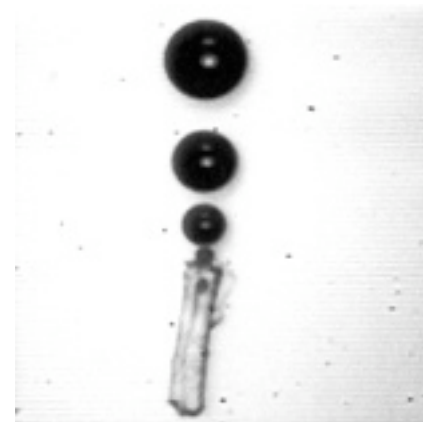
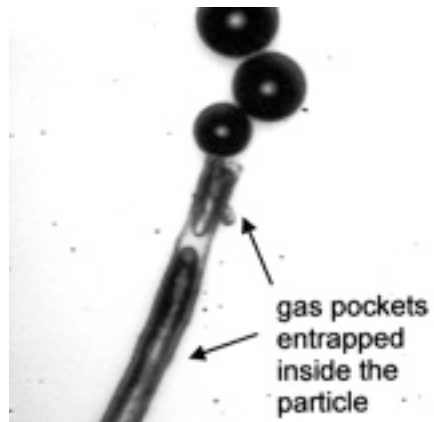
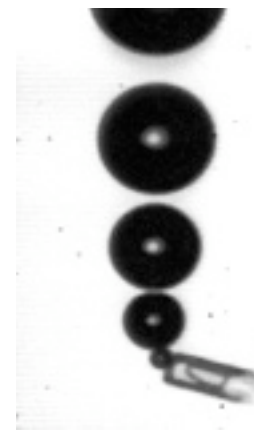
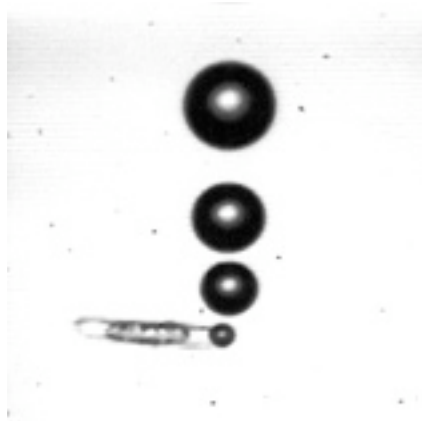
C. Isenberg

Champagne bubbles



G.Liger-Belair, P.Jeandet

Imperfections on the glass...



100 μm

G.Liger-Belair, P.Jeandet

Nucleation

CO₂ molecules diffuse through the meniscus of the gas pocket as long as its radius of curvature r exceeds the critical radius r_c defined in eq. (2)

Formation and growth of a bubble anchored on its nucleation site.

