

Frontiers in European Research on Liquid Crystalline Soft Matter

LC Lab Bandol, France, May 27-29th 2009



Session ii. Drops, bubbles, tubes, foams and films



Pearl drops

While drops on solids usually form kinds of lenses, there are a few situations where they can remain quasi-spherical. We describe different tricks to generate such liquid pearls (texturing or heating solid substrates, texturing liquid surfaces). Then we focus on a few dynamical situations: the absence of contact line dramatically affects these situations, by minimizing the effect of viscosity, there again contrasting with observations or more "common" drops.

David Quéré

Physique et Mécanique des Milieux
Hétérogènes
UMR 7636 du CNRS
Ecole Supérieure de Physique et de
Chimie Industrielles
10 rue Vauquelin,
75005 Paris
France

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