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The capillary bridge technique to study superhydrophobic surfaces

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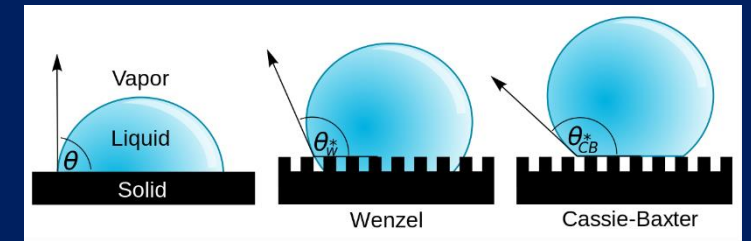


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The capillary bridge technique to study superhydrophobic surfaces.

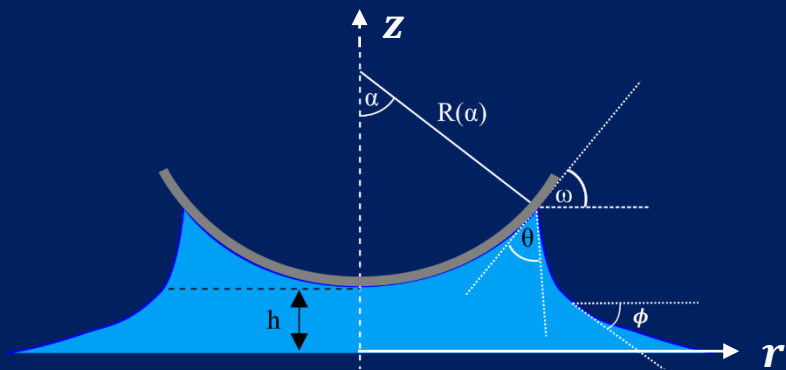
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Institut de Physique de Nice.

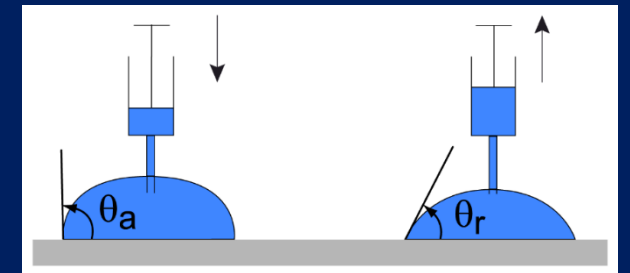
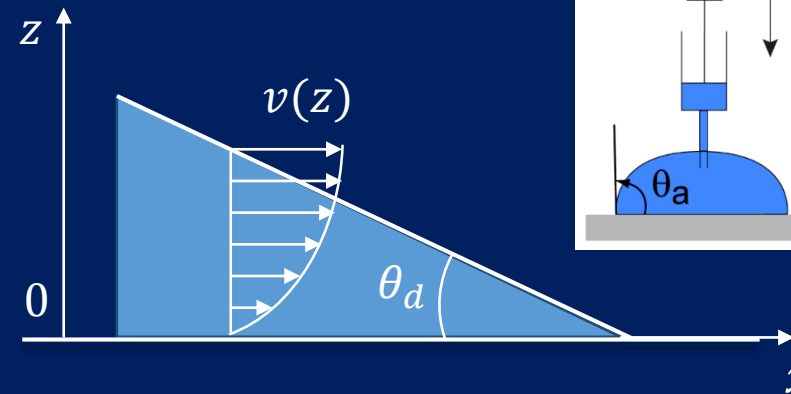


Superhydrophobic surfaces: multiscale roughness. Metastable state.

Contact line dynamics problem.



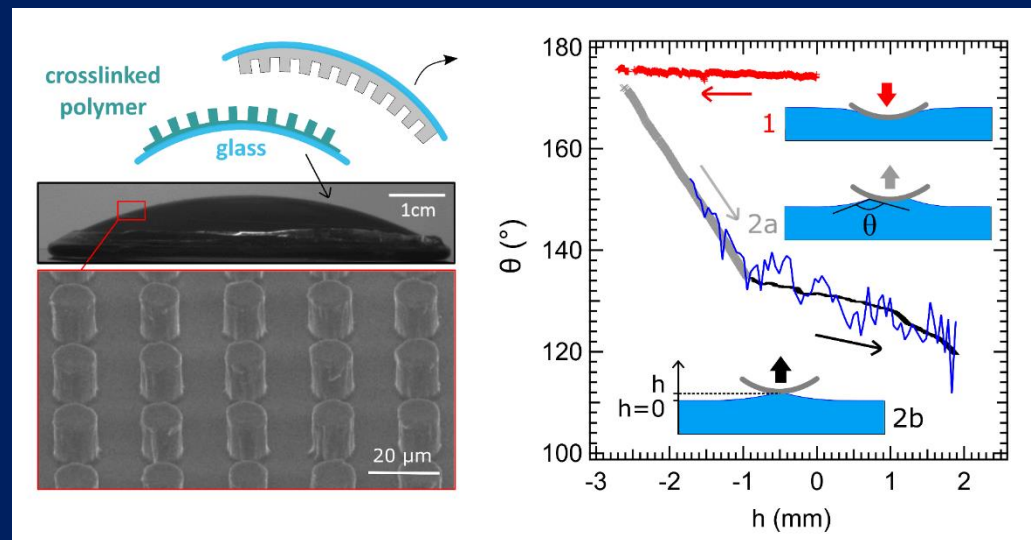
Capillary bridge setup.



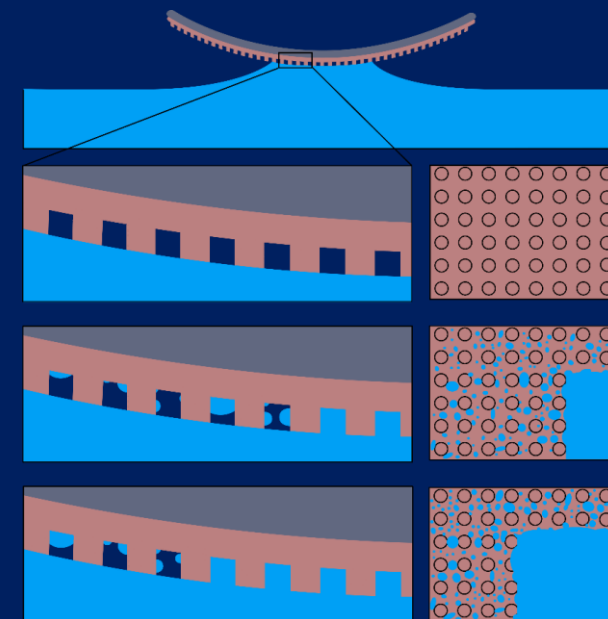
Advancing

receding

Fabrication of curved superhydrophobic surfaces



Large contact area :
condensation effect
At room temperature
and humidity.



- Contact angle hysteresis
- Dynamical contact angle

