

Abstract Submitted  
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**Spreading of a liquid bridge** JOACHIM DELANNOY, ESPCI, DANIEL BEILHARZ, ESPCI Paris, CHRISTOPHE CLANET, Ecole polytechnique, Palaiseau, DAVID QUERE, ESPCI Paris, LA COMPAGNIE DES INTERFACES TEAM — We observe the spreading of a liquid bridge under a horizontal surface. After being pulled up to twice its capillary length, a bridge is formed between a liquid bath and a flat horizontal surface. This bridge then spreads radially over a large range (several centimeters) at a constant speed: the radius of the bridge  $r$  progress linearly with the time ( $r \sim t$ ). We study experimentally the parameters impacting the spreading, and develop a theoretical analysis to model the dynamics.

Joachim Delannoy  
ESPCI Paris

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