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A few Landau-Levich films

DAVID QUERE, College de France

We describe a few situations which produce a Landau-Levich films, such as the withdrawal of a solid plate out of a bath of wetting liquid or the air withdrawal by a jet plunging in a bath of liquid. We show why such antagonist situations can be described by similar arguments. We also discuss the shape and the stability of the film, and the way it bursts, in particular when it is surrounded by a viscous environment. Other contributors to this work : Etienne Reyssat, Jens Eggers and Elise Lorenceau