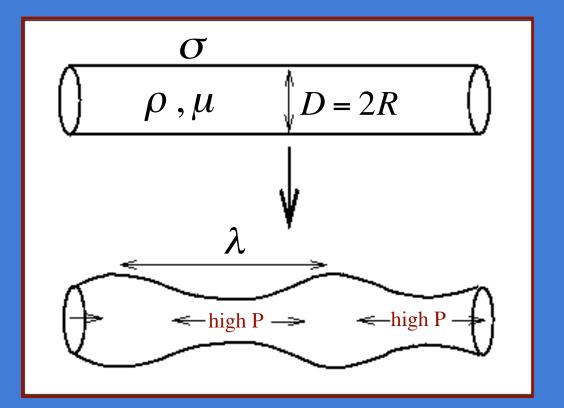
18.357: Lecture 12

Variations on the theme of Rayleigh-Plateau

& Sheet retraction

Viscosity and the Rayleigh-Plateau Instability

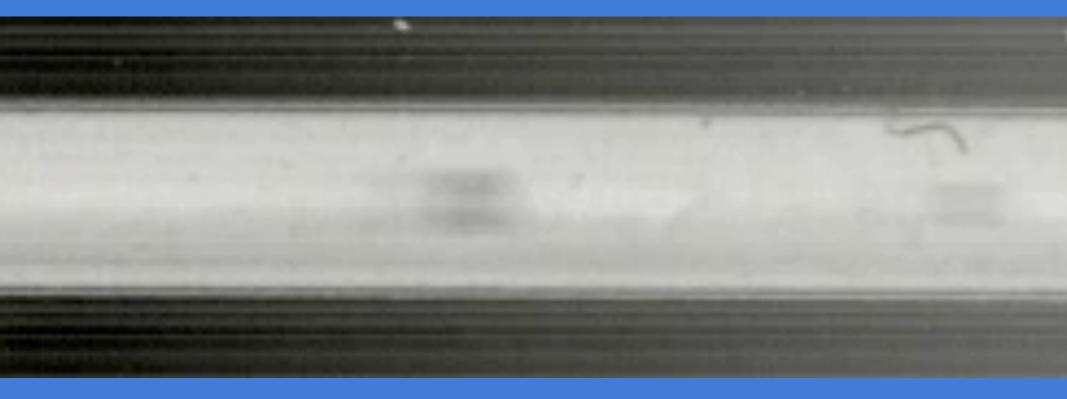


pinch-off depends on Ohnesorge number Oh = organization of the second seco

Coating a wire



Bubble formation within a hose



Fluid sheets

A burst soap film

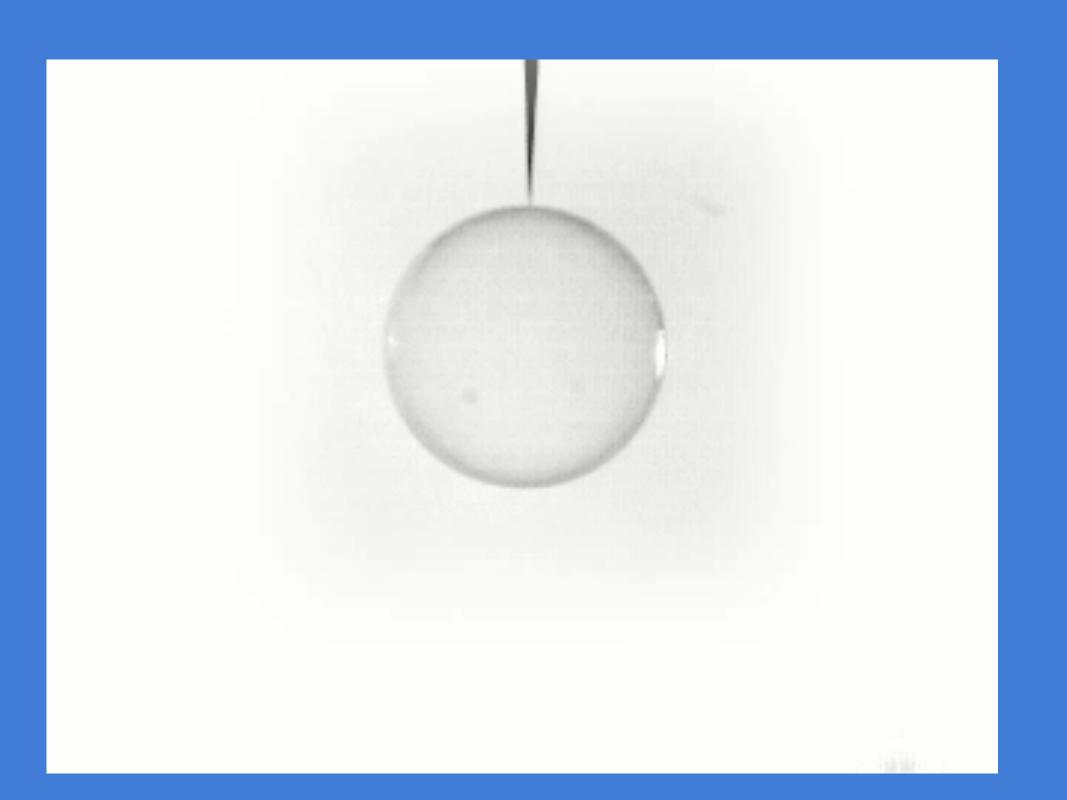


How fast does the rod move?

A bursting bubble



Speed of retraction? Film shape?



Another look at film retraction



A self healing bubble



The mysterious aftereflects of COVID-19 infection p. 614

Discharging Fukushima's legacy p.621 New tools for neuromodulation win Science & PINS prize g. 637

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BUBBLE RUPTURE

Surface tension drives the wrinking and collapse in viscous fluids p.635



