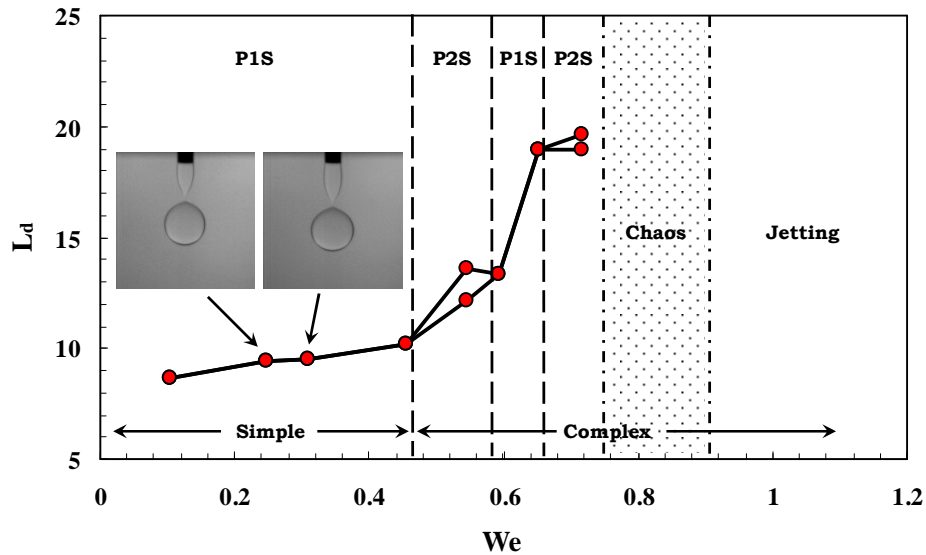
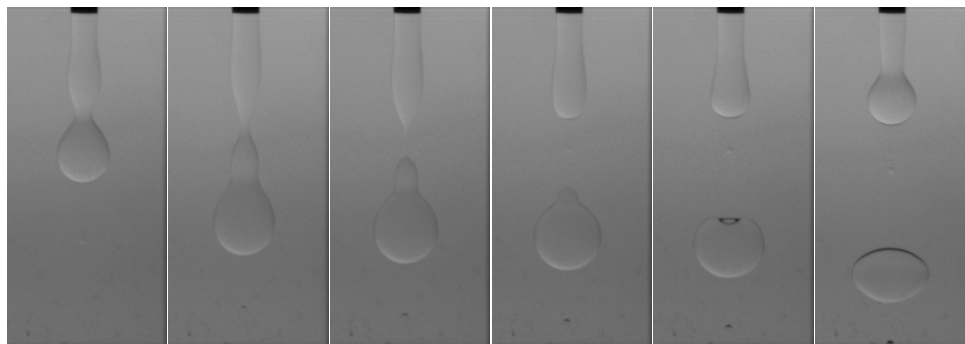


# Steady and transient tip streaming from pendant drops

*Osman Basaran*  
Purdue University



Bifurcation diagram showing limiting lengths  $L_d$  of primary drops as a function of Weber number  $We$



Sequence of high speed images of glycerin-water drops (inner fluid/dispersed phase) forming from a nozzle immersed in silicone oil (ambient fluid/continuous phase). The regime of drop formation seen is Period-1 dripping with satellites (P1S).