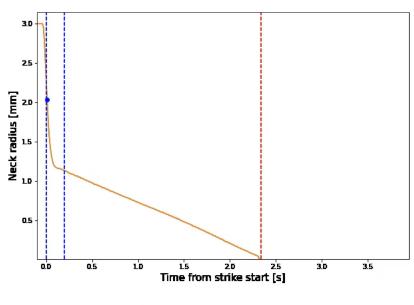
Capillary breakup experiment

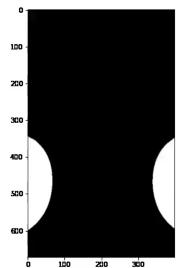
Sample

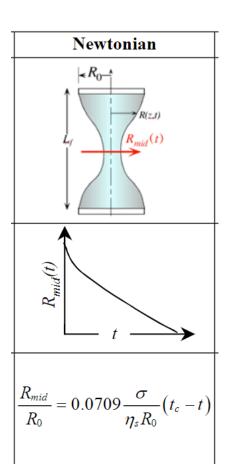
Viscosity standard 6000cp @20C





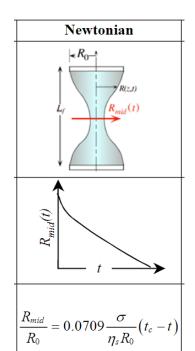






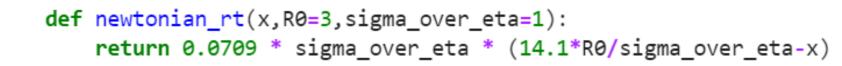
The front factor is determined from the similarity solution for Stokes flow (Papageorgiou, 1995): $t_c = 14.1 \, \eta_s R_0 / \sigma$

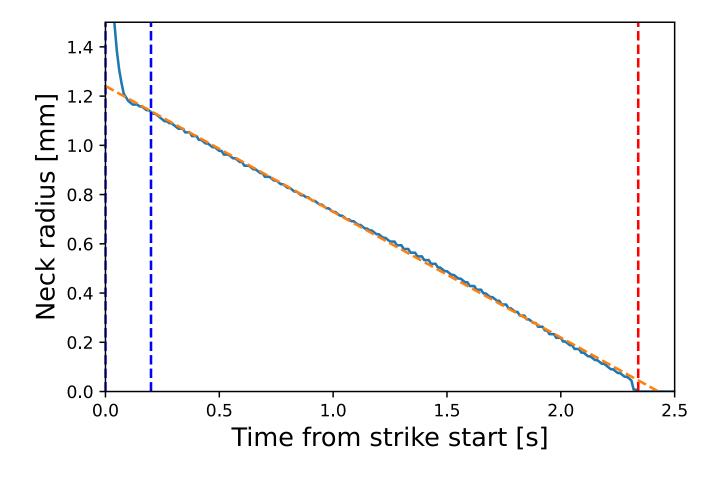
$$R(t) = 0.0709 \frac{\sigma}{\eta} \left(\frac{14.1R_0 \eta}{\sigma} - t \right)$$



The front factor is determined from the similarity solution for Stokes flow (Papageorgiou, 1995):
$$t_c = 14.1 \, \eta_s R_0 / \sigma$$

$$\eta = 6 Pa s$$
 $\sigma = 43.2 mN/m$





name	value	standard error	relative error	initial value	min	max	vary	
R0	1.24147704	0.00139031	(0.11%)	3	-inf	inf	True	
sigma_over_eta	7.20658701	0.01400746	(0.19%)	1	-inf	inf	True	