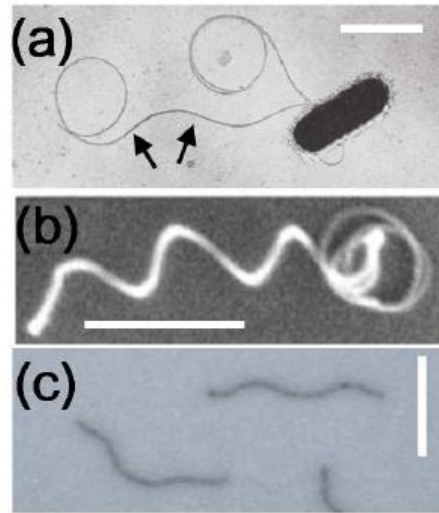




L. Bouzara, M. M. Müller, R. Messina, B. Nöding, S. Köster, H. Mohrbach, I. M. Kulic

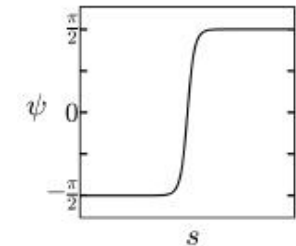
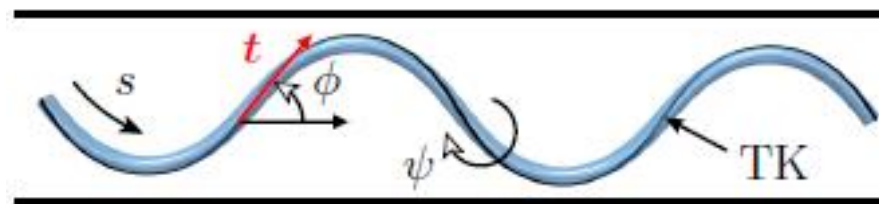


Helices at Interfaces

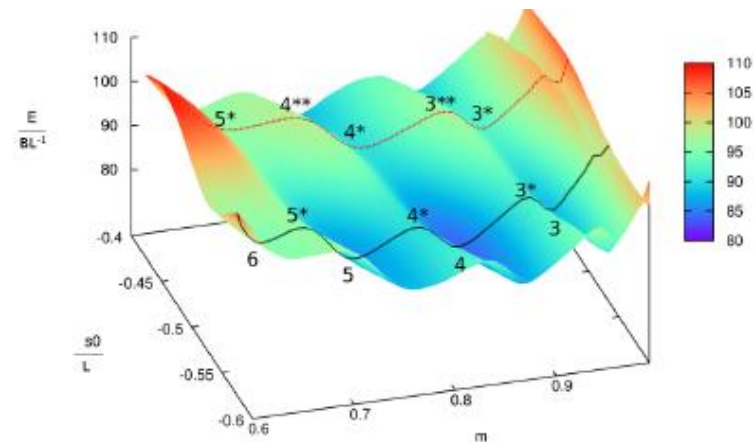
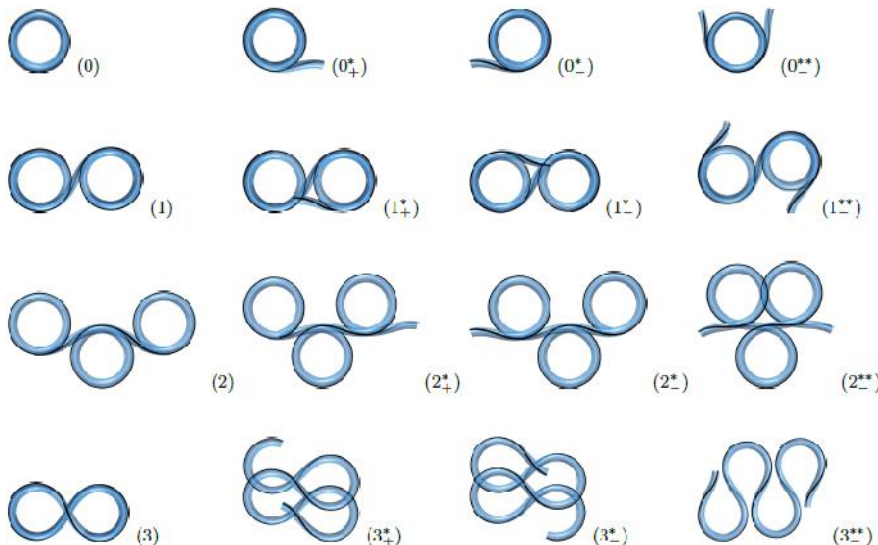
Nam, Lee, Mohrbach, Johner, Kulic, Europhys. Lett. (2012).

Squeezed helical elastica

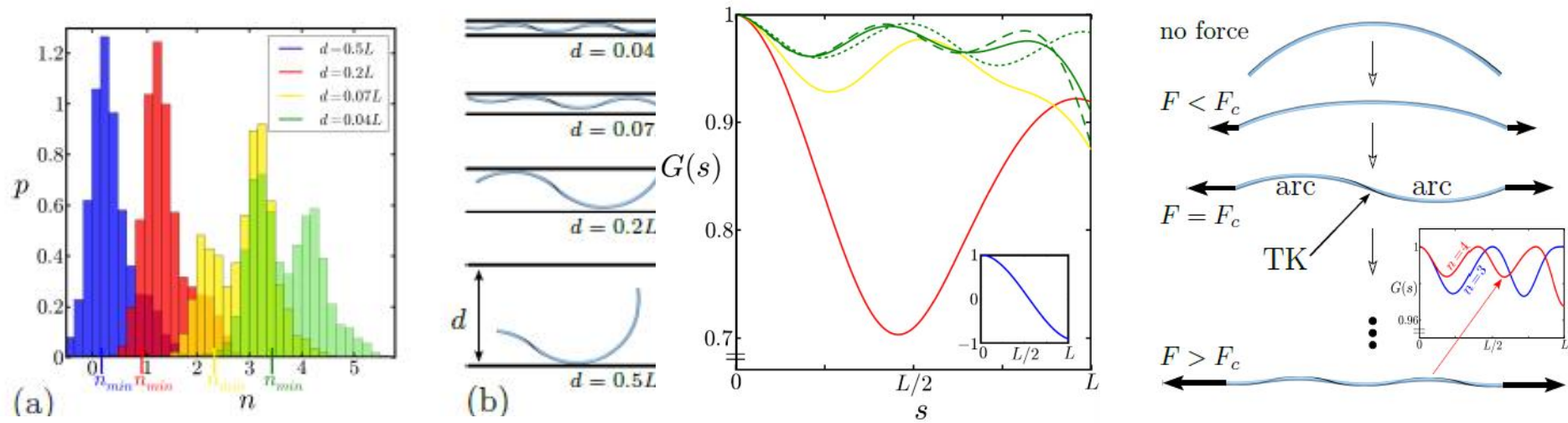
Bouzar, Müller, Gosselin, Kulic, Mohrbach, Eur. Phys. J. E (2016)



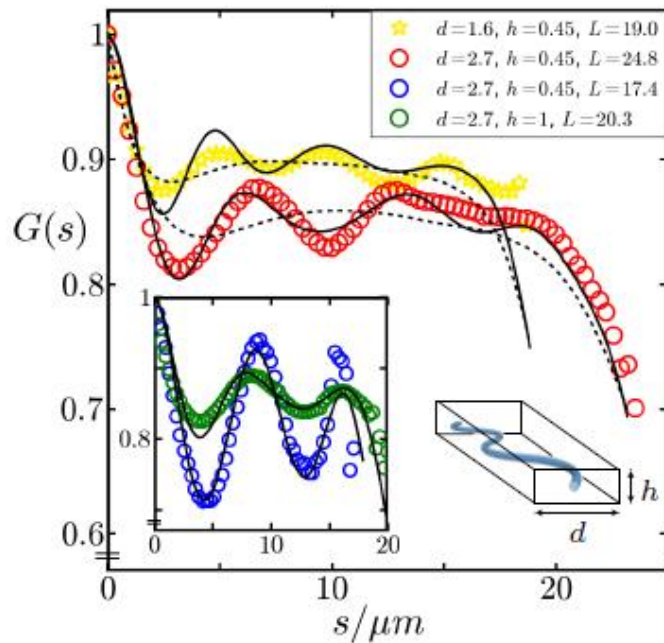
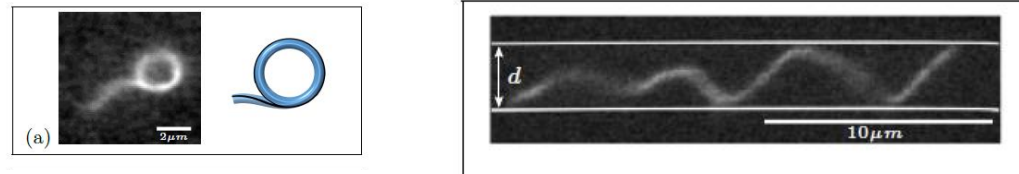
$$\{ ' = \check{S}_1 \sin \mathcal{E} \quad \mathcal{E}(s) = am \left(\frac{s - s_0}{\sqrt{m}} \middle| m \right)$$



Squeelix with lateral confinement: twist-kink injection mechanism



IF in a microfluidic channel



Origin of helicity ? auto coiling ?

