

Movie I:

A movie of the cuvette between crossed polarizers for an fd-concentration of 11.1 mg/ml, where the equilibration of the nematic texture can be seen. The diameter of the cuvette is 2.0 cm and the height is 1 mm. Images are taken every 10 min..The total time span of the movie is 168 hours.

Movie II:

A movie of the cuvette between crossed polarization for a fd-concentration of 13.6 mg/ml, which is in the glass. Images are taken every 10 minutes, and the total duration is 168 hours. After 100 hours, flow is induced as a result of evaporation at entrance of the cuvette (on the left side), which propagates into the bulk of the suspension.

Movie III::

A movie of a droplet of a fd suspension between two glass plates, 1.4 mm apart. The fd-concentration is 11.1 mg/ml. Now evaporation occurs at the entire circumference of the droplet, leading to a flow that originates from the circumference, propagation into the bulk. The total time of the movie is 22 hours.

Movie IV:

A movie during equilibration of the nematic texture at a concentration of 4.5 mg/ml. After about 13 hours a sudden rotation/translation of the entire texture can be seen, which in the paper is referred to as a “mechanical kink”. The total time of the movie is 100 hours.