



PAINTING VORTICES WITH CELLULOSE NANOCRYSTALS

The photo illustrates the vortex flow cells 'painted' by cellulose nanocrystals in an aqueous media. The suspension was subjected to a complex shear flow field in a counter-rotating Taylor-Couette flow geometry. The observation of colorful vortices, indicative of their orientation and alignment is stemming from the singular optical visualization technique. The harmonies and the frequencies of the phenomena are reminiscent of musical notes.