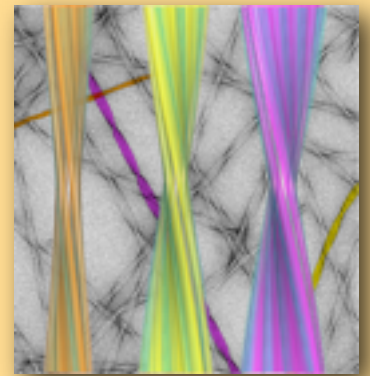


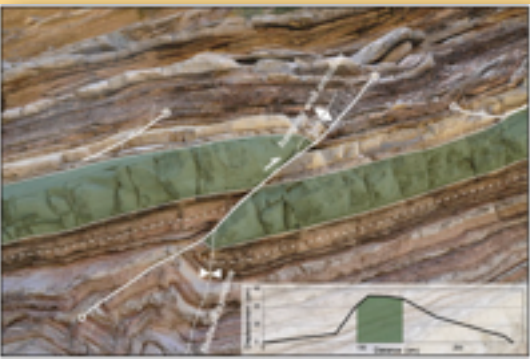


<https://debanupf.wordpress.com>



APMTH 217 - 2017 Fall

Instabilities and Patterns in Soft Matter and Biophysics



<https://doi.org/10.1016/j.jsg.2016.01.009>

L. Mahadevan

Tue/Thu: 1-2.30 pm

Cruft 309

Active Swarms

Swelling Gels

Phase separation of Liquid Mixtures

Avalanches and Crystal growth

Boundary Driven Instabilities in Fluids

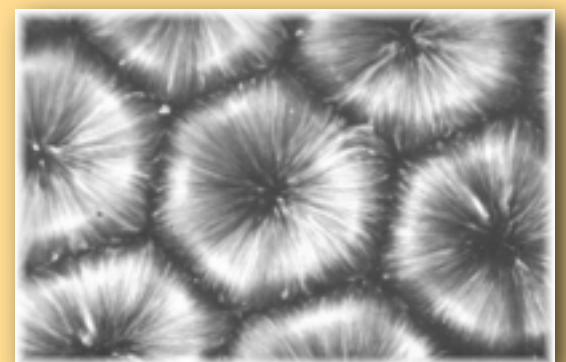
Mechanics of Filament Assemblies

Ordered and Disordered solids

Frictional Instabilities in Solids



J. Chem. Phys. 131, 194508 2009



<https://www.esrl.noaa.gov/>

Instructors: Christoph Weber, Thomas Michaels, Severine Atis, Carl Goodrich, Yohai Sinai.

Students can conduct little research projects instead of written exams.

Interested researchers are also highly welcome!