
Seminar

Shear induced rigidity in athermal materials

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In this talk, I will give an introduction to the issues related to understanding solidification in systems such as a collection of dry sand grains, which have no thermal fluctuations and where there are no cohesive interactions. Well established theories of solidification are not adequate. For example, shearing can lead to creation of a robust solid in dry grains, whereas normally shearing leads to yielding and failure. I will present the beginnings of a theoretical framework.

Tuesday, Nov 11th 2014

11:30 AM (Tea/Coffee at 11:15 AM)

Seminar Hall, TCIS