

Seminar

Nonlinearities across scales: from Sun to red blood cells

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I will briefly summarise a range of nonlinear problems I have worked on from the scale of the galaxies down to the scale of cells. Starting with problems in astrophysical dynamo theory to the stability of ocean waves. Going further down the scale I will discuss the interplay between nonlinear elasticity, fluid mechanics and non-equilibrium statistical mechanics in modelling of soft solids (filaments, membranes, shells) and their interaction with fluid.

Tuesday, Sep 12th 2023

4:00 PM (Tea / Coffee 03.45 PM)

Auditorium, TIFR-H