

LadHyX Seminar – December 5th, 10:45

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Flexible fibers in turbulence a survey

The transport of deformable objects in turbulent flows is at the core of several industrial and environmental application going from the papermaking or textile industry, recycling to the dispersion of plastic at the surface of the ocean. This motivated us to start investigating this unexplored problem ten years ago. In my seminar, I will present our main results, some of which may be surprising, on fiber deformations and their impact on the dynamics, fragmentation and aggregation of fibers in turbulence.