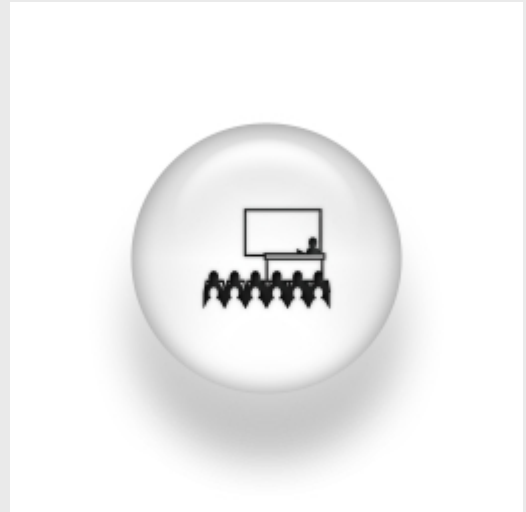


Torsion and anchoring of protein filaments

Wednesday, 13 April 2011. 12:00-13.00



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ABSTRACT:

This informal seminar presents a possible explanation for the polymorphism observed in FtsZ protein filaments anchored on mica. The competition between a spontaneous torsion of the filament and a preferential anchoring on the surface is modeled as a physical pendulum equation, with multiple solutions associated to the number of untwisted rounds.