



Monday, 29th of November, 4:30 p.m.
ICAMS Seminar room UHW 11/1102

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Spherical Colloidal Particles with Planar Anchoring in Nematic Media

The behavior of colloidal particles in anisotropic fluids with long-range orientational ordering, such as nematic liquid crystals, has attracted a great attention in soft condensed matter physics. The orientation order parameter of the fluid is distorted from its uniform orientation in the bulk due to anchoring to the surface of the colloidal particles. Defect structure and the interaction between two spherical colloidal particles with degenerate planar anchoring in a nematic media are discussed.