



سمینار هفتگی ماده چگال نرم

Stationary Non-equilibrium Dynamics of Poly[2]catenane in Shear Flow

Abstract

Achievements in the synthesis of polycatenanes promise new opportunities for having and designing new smart materials. However, the out-of-equilibrium dynamic of polycatenane is largely unstudied. In this seminar, I will discuss part of my master thesis about the interplay of poly[2]catenane topology and hydrodynamic interactions in pure shear flow using the MPCD method. To question the effect of topological interaction, we have simulated systems with bonded rings alongside systems with poly[2]catenane. In order to investigate the effect of hydrodynamic interaction, each system has been examined using the random solvent MPCD method as well.

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مکان: کلاس مجازی دکتر اجتهادی

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