

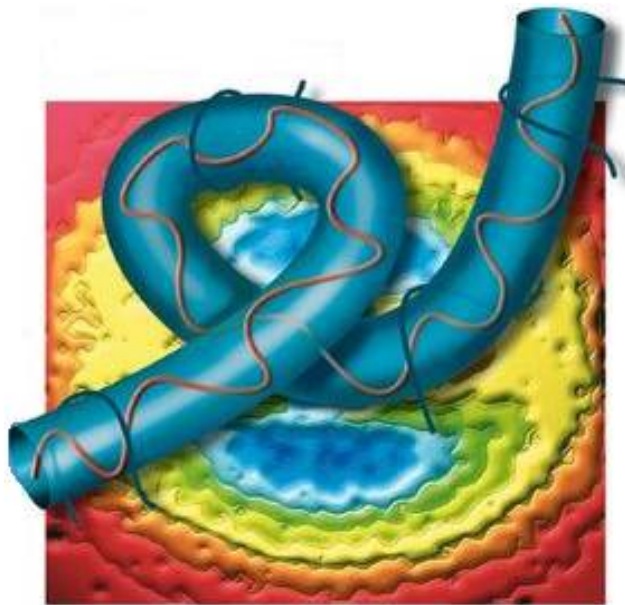


*Gemeinsames Seminar der Sächsischen Forschergruppe
und des Internationalen Graduiertenkollegs „Diffusion in Porous Materials“*

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The Rouse model: Applicability for short-chain macromolecules



One of the widely used and, perhaps, simplest models for the description of dynamics of polymeric systems is the so-called Rouse model. In this talk, I will try to answer the question "Why Does the Rouse Model Fairly Describe the Dynamic Characteristics of Polymer Melts at Molecular Masses below Critical Mass?". The conclusions drawn will have general implications for understanding the relationship between static and dynamic characteristics of macromolecules and will go further to discuss the role of nonlinearity of the entropy term in the dynamic equations.

Freitag, 19.03.2010, 11:00 Uhr
Seminarraum 224, Physik, Linnéstraße 5