



"Soft-Matter Seminar"

The stretching and folding of biomolecules

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Abstract:

The problem of dsDNA condensation in presence of the stretching force is addressed. It is shown that the stretched dsDNA can be considered as quasi-one-dimensional system and the thermodynamic properties of the dsDNA condensation are investigated.

The model of RNA folding is proposed. It is shown that the different stability of the secondary and tertiary structures of RNA can be stipulated by chain entropy lost, necessary for the stable tertiary structure formation.

The non-equilibrium features of macroions with electrostatic interactions are investigated.

Donnerstag, den 8.7.2010
14:00 Uhr
Raum PH 3344

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