Study on Onsager coefficient: the dynamics of single polymer chains

Polymer chains with very **similar** thermodynamics can have **diverse** collective behavior.

Polymers occur in various molecular architectures. This leads to various dynamics within the chain and thus different dynamic collective behavior.

Single chain dynamics can be described by a quantity called **Onsager Coefficient**.

How does the molecular architecture influence the thermodynamics and kinetics of the density?

We use **GPU accelerated computer simulation** to perform the investigation. You will:
- learn about models for polymers and soft matter
- use the biggest super-computing centers
- learn useful computational techniques
- get any help you need from the research group

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