

Dynamics of elongated fibers in extensional flows

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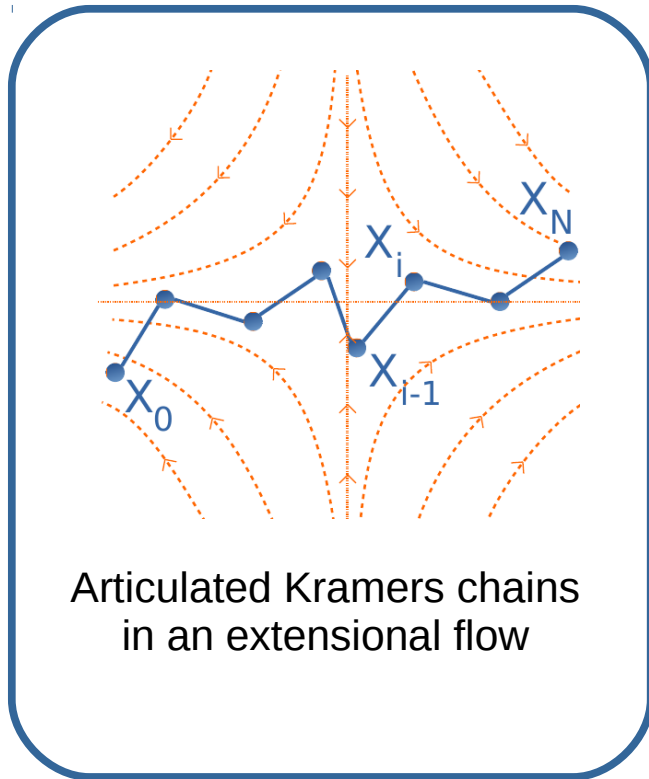
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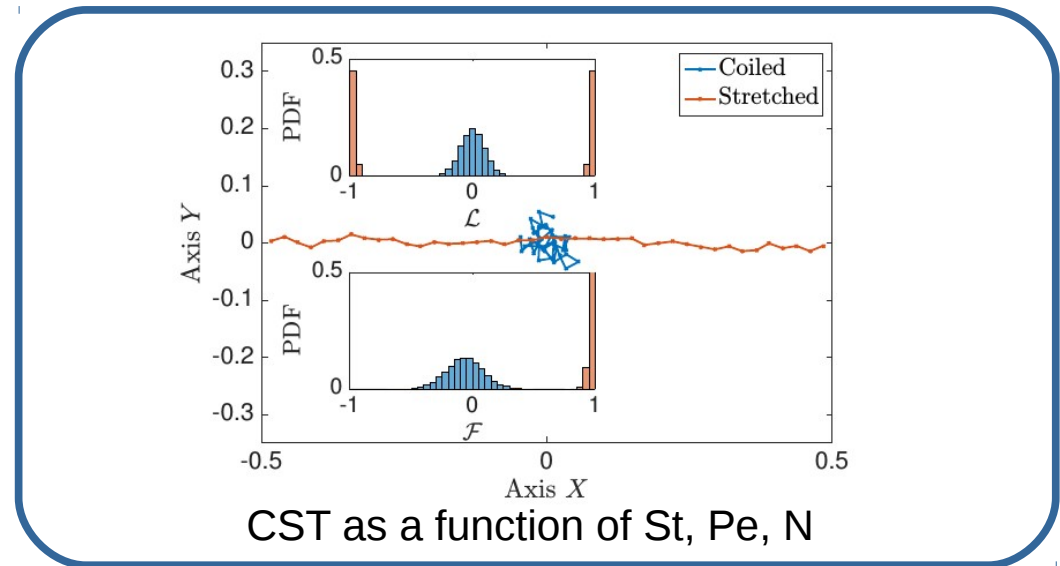
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Dynamics of elongated chains of particles



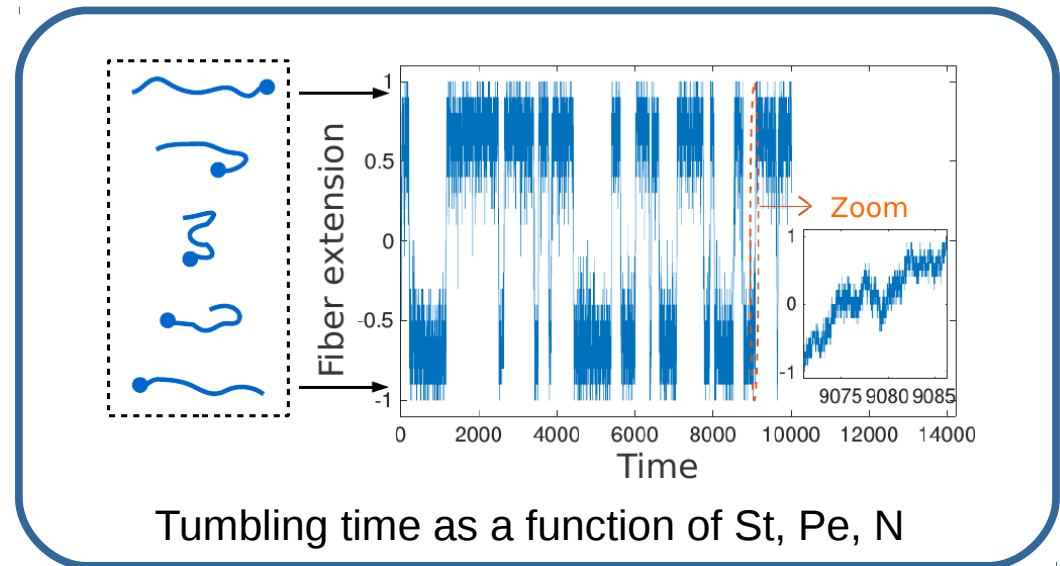
Articulated Kramers chains
in an extensional flow

Microscopic simulations



CST as a function of St, Pe, N

Coil-Stretch transition



Tumbling time as a function of St, Pe, N

Tumbling