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Authors:	Yadav, Bharti (/jspui/browse?type=author&value=Yadav%2C+Bharti)
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Abstract:	In this work, I have studied the statistical properties of polymer in passive and active scenarios. For an ideal chain, I have reviewed the results for a freely jointed chain. For such chain, I have also performed numerical simulations using Langevian Dynamics. There I have Incorporated bending energy and simulated a worm like chain. For such a chain, the introduction of an active propulsion force on each monomer unit, re-normalises the stiffness of the chain which i investigated by looking at distribution of end-to-end distance.
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