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Title:	Dynamical order parameter and it's correlation in periodically driven DNA
Authors:	Suman Kalyan, M. (/jspui/browse?type=author&value=Suman+Kalyan%2C+M.)
Keywords:	DNA Dynamical order periodically driven DNA
Issue Date:	2020
Publisher:	American Institute of Physics Inc.
Citation:	AIP Conference Proceedings, 2265
Abstract:	Unzipping of DNA is studied by applying a linearly varying periodic force using Monte Carlo simulations. We obtain the dynamical order parameter, Q, defined as the time average of extension between the end monomers of two strands of the DNA over a period, and its probability distributes P(Q) at various force amplitudes and frequencies. We also study the time auto-correlations of this dynamical order parameter for various chain lengths.
URI:	https://aip.scitation.org/doi/10.1063/5.0017294 (https://aip.scitation.org/doi/10.1063/5.0017294) http://hdl.handle.net/123456789/3235 (http://hdl.handle.net/123456789/3235)
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