

Abstract Submitted
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Elasticity of a Rubber Band Model ULRICH ZURCHER¹, LORIN WOODFORD, Physics Dept., Cleveland State University — We study the two-state model proposed for the stretching of DNA. We study the stretching at low force. We consider the case of long-range interactions between spins. We show results for long chains obtained using the Ohio Supercomputer [OSC]. We discuss the elastic modulus of the chains in the presence of long-range interactions.

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