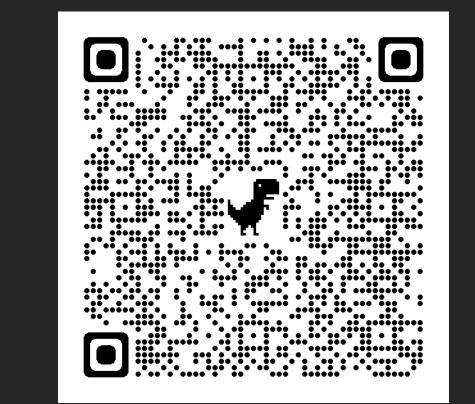


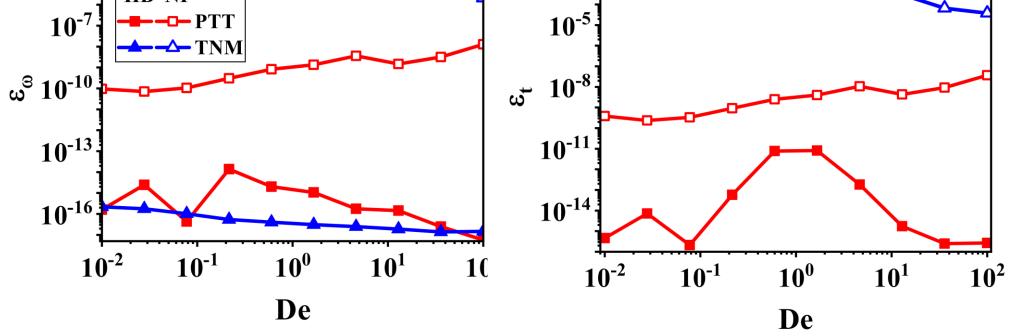
The Method of Harmonic Balance for Differential **Constitutive Models in Oscillatory Shear** Shivangi Mittal¹, Yogesh M. Joshi¹, Sachin Shanbhag²

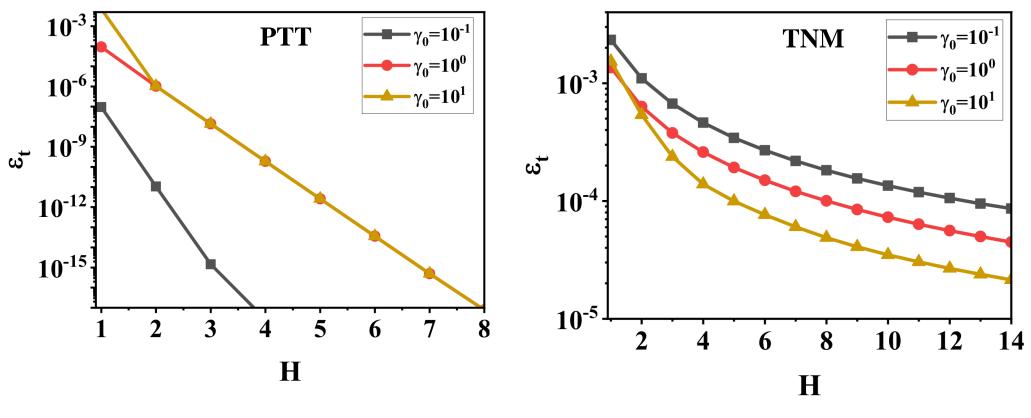
¹Indian Institute of Technology Kanpur, India ²Florida State University, Tallahassee, USA





Harmonic balance (HB) is used for nonlinear vibration problems where long-time





to the nonlinear solver that oscillates back and forth in time and

I thank my advisors for their guidance and acknowledge financial support Prime Minister Research fellowship program and Fulbright Nehru Doctoral resrarch program