

Supporting Information

for

Imaging of viscoelastic soft matter with small indentation using higher eigenmodes in single-eigenmode amplitude-modulation atomic force microscopy

Miead Nikfarjam¹, Enrique A. López-Guerra², Santiago D. Solares² and Babak Eslami*¹

Address: ¹Department of Mechanical Engineering, University of Maryland, College Park, MD 20740, USA and ²Department of Mechanical and Aerospace Engineering, The George Washington University, Washington, DC 20052, USA

Email: Babak Eslami* - beslami@umd.edu

* Corresponding author

Prony coefficients for polyisobutylene

Viscoelastic properties of polyisobutylene

The following plot describes the modulus (Pa) of Polyisobutylene versus different relaxation times (in seconds). This figure is a graph based on the Prony coefficients provided in Table 1, highlighting the region of interest for this study.

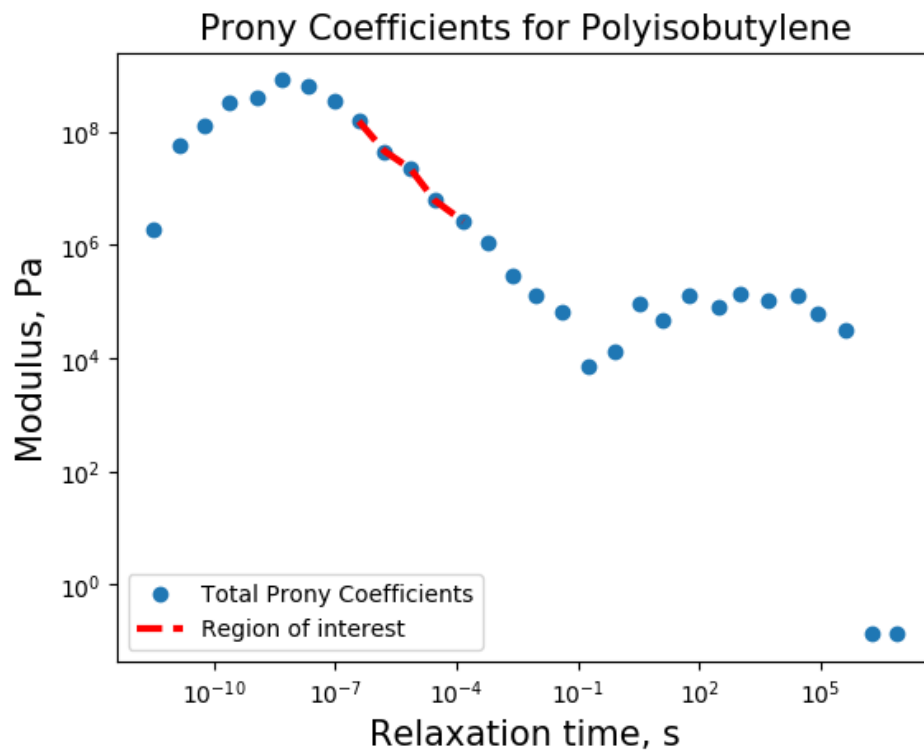


Figure S1: Prony Coefficients for polyisobutylene: modulus (Pa) as a function of relaxation time (s).