## **Accepted Manuscript**

Mean first passage time in a thermally fluctuating viscoelastic fluid

C. Hohenegger, R. Durr, D.M. Senter

PII: \$0377-0257(17)30110-6 DOI: 10.1016/j.jnnfm.2017.03.001

Reference: JNNFM 3870

To appear in: Journal of Non-Newtonian Fluid Mechanics

Received date: 10 June 2016 Revised date: 9 January 2017 Accepted date: 8 March 2017



Please cite this article as: C. Hohenegger, R. Durr, D.M. Senter, Mean first passage time in a thermally fluctuating viscoelastic fluid, *Journal of Non-Newtonian Fluid Mechanics* (2017), doi: 10.1016/j.jnnfm.2017.03.001

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

#### ACCEPTED MANUSCRIPT

#### Highlights

- A scaling law for the mean first passage time in a viscoelastic fluid is proposed.
- A fast and statistically exact algorithm is developed for the realizations of paths.
- Solvent and polymeric contributions are included independently in the model.

### Download English Version:

# https://daneshyari.com/en/article/4995510

Download Persian Version:

https://daneshyari.com/article/4995510

<u>Daneshyari.com</u>