

## Accepted Manuscript

Non-integer asymptotic scaling of a thixotropic-viscoelastic model in large-amplitude oscillatory shear

Brendan C. Blackwell , Randy H. Ewoldt

PII: S0377-0257(15)00201-3  
DOI: [10.1016/j.jnnfm.2015.11.009](https://doi.org/10.1016/j.jnnfm.2015.11.009)  
Reference: JNNFM 3719



To appear in: *Journal of Non-Newtonian Fluid Mechanics*

Received date: 6 August 2015  
Revised date: 20 November 2015  
Accepted date: 30 November 2015

Please cite this article as: Brendan C. Blackwell , Randy H. Ewoldt , Non-integer asymptotic scaling of a thixotropic-viscoelastic model in large-amplitude oscillatory shear, *Journal of Non-Newtonian Fluid Mechanics* (2015), doi: [10.1016/j.jnnfm.2015.11.009](https://doi.org/10.1016/j.jnnfm.2015.11.009)

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.

## Highlights

- We discuss a simple thixotropic-viscoelastic constitutive model
- This model shows a unique signature in asymptotically-nonlinear LAOS
- The low-amplitude scaling behavior depends on a model parameter
- This prediction fits experimental data that no other existing prediction can

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7061238>

Download Persian Version:

<https://daneshyari.com/article/7061238>

[Daneshyari.com](https://daneshyari.com)