Accepted Manuscript

POLYMER ORIENTATION CONTRIBUTIONS IN LARGE-AMPLITUDE OSCILLATORY SHEAR FLOW

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 PII:
 S0377-0257(17)30048-4

 DOI:
 10.1016/j.jnnfm.2017.04.004

 Reference:
 JNNFM 3886

To appear in: Journal of Non-Newtonian Fluid Mechanics

Received date:2 February 2017Accepted date:12 April 2017

Please cite this article as: P.H. Gilbert, A.J. Giacomin, POLYMER ORIENTATION CONTRIBUTIONS IN LARGE-AMPLITUDE OSCILLATORY SHEAR FLOW, *Journal of Non-Newtonian Fluid Mechanics* (2017), doi: 10.1016/j.jnnfm.2017.04.004

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Highlights

- Polymer molecular orientation can explain all polymer rheological responses
- We use rigid dumbbell theory to create relations between orientation and rheology
- All orientations contributing to the normal stresses contribute to the shear stress
- Some parts of orientation do not contribute to any rheological response

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