

Accepted Manuscript

Transient, near-wall shear-band dynamics in channel flow of wormlike micelle solutions

Youngri Kim , Abdulrazaq Adams , WilliamH. Hartt ,
RonaldG. Larson , MichaelJ. Solomon

PII: S0377-0257(16)30021-0
DOI: [10.1016/j.jnnfm.2016.03.009](https://doi.org/10.1016/j.jnnfm.2016.03.009)
Reference: JNNFM 3769



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

Received date: 27 September 2015
Revised date: 10 March 2016
Accepted date: 15 March 2016

Please cite this article as: Youngri Kim , Abdulrazaq Adams , WilliamH. Hartt , RonaldG. Larson , MichaelJ. Solomon , Transient, near-wall shear-band dynamics in channel flow of wormlike micelle solutions, *Journal of Non-Newtonian Fluid Mechanics* (2016), doi: [10.1016/j.jnnfm.2016.03.009](https://doi.org/10.1016/j.jnnfm.2016.03.009)

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Highlights

- Transient velocity fluctuations are measured for shear banded wormlike micelles.
- Bands of variable velocities are generated near the wall along the vorticity axis.
- Dynamics are observed for applied shear rates near the shear band onset value.
- Flow variations are temporary and homogeneous flow is observed at steady state.

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