

## Accepted Manuscript

Transfer of Rate-thinning and Rate-thickening Liquids Between Separating Plates and Cavities

Jyun-Ting Wu, Marcio S. Carvalho, Satish Kumar

PII: S0377-0257(17)30515-3  
DOI: [10.1016/j.jnnfm.2018.02.010](https://doi.org/10.1016/j.jnnfm.2018.02.010)  
Reference: JNNFM 3977



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

Received date: 10 November 2017  
Revised date: 22 February 2018  
Accepted date: 24 February 2018

Please cite this article as: Jyun-Ting Wu, Marcio S. Carvalho, Satish Kumar, Transfer of Rate-thinning and Rate-thickening Liquids Between Separating Plates and Cavities, *Journal of Non-Newtonian Fluid Mechanics* (2018), doi: [10.1016/j.jnnfm.2018.02.010](https://doi.org/10.1016/j.jnnfm.2018.02.010)

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**

- Liquid transfer between vertically separating surfaces is studied computationally
- Rate-thinning and rate-thickening liquids are considered
- Rate-thinning increases liquid transfer from a less-wettable flat plate
- Rate-thickening tends to increase liquid transfer from a cavity
- These effects are due to changes in viscosity that affect contact-line motion

Download English Version:

<https://daneshyari.com/en/article/7061086>

Download Persian Version:

<https://daneshyari.com/article/7061086>

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