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

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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