

Abstract Submitted
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Effect of Variable Viscosity on Stabilization in Hele-Shaw Flows¹

PRABIR DARIPA, Texas A&M University — Current work is in progress on numerical investigation of the effect of variable viscosity profiles of internal layers on the stabilization of multi-layer Hele-Shaw flows. Our findings will be presented and compared, to the extent possible, with theoretical results available. Effect of diffusion on this stabilization may also be presented. This talk is partially based on an ongoing work with Xueru Ding.

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