

Abstract Submitted
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Free surface capillary Stokes flow in an annulus PETER BUCHAK,
DARREN CROWDY, MIT — We present a numerical scheme, based on complex
variable methods and conformal mapping techniques, for computing the free surface
evolution of an annular region of very viscous fluid in the Stokes regime driven by
surface tension, a model system relevant to certain design problems arising in the
glass industry. Comparisons with related theoretical results will be given.

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