

Abstract Submitted
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Dynamics of Viscoplastic Sheets NEIL BALMFORTH, University of British Columbia — A theory is presented for the dynamics of slender sheets of viscoplastic fluid, equivalent to classical analysis of elastic beams and viscous plates. The effect of a yield stress is highlighted. The theory is applied to the fall of a liquid bridge supported at its two ends. The yield stress halts the fall of the bridge; the final asymptotic state is calculated in various limits.

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