

Abstract Submitted
for the DFD06 Meeting of
The American Physical Society

Lamella Thinning Laws - Fundamental Building Blocks in Foam Dynamics ANTHONY ANDERSON, STEPHEN DAVIS, Northwestern University — Capillary pressure drives the liquid in foam films (lamellae) into the adjacent film junctions (Plateau borders), resulting in the thinning and eventual rupture of the films. These thinning processes obey scaling laws, which are found using asymptotic methods and boundary integral simulations. Three idealized arrangements are considered: a Plateau border joining (1) two free films, (2) a free film and a bounded film, (3) two bounded films.

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Date submitted: 06 Aug 2006

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