1093-35-255 **Daniela De Silva*** (desilva@math.columbia.edu), 2990 Broadway, New York, NY 10027. *The thin one-phase free boundary problem.*

We describe the regularity theory for the free boundary occurring in the thin one-phase problem. The thin one-phase problem is closely related to the classical Bernoulli free boundary problem (or one-phase problem). In the "thin" setting the free boundary occurs on a $n-1$-dimensional subspace and it is expected to have $n-2$ Hausdorff dimension. (Received August 17, 2013)