

# Mean curvature flow

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November 15, 2013

A mean curvature flow is an evolving submanifold  $M_t$  whose velocity is equal to its mean curvature. Mean curvature flow is in some respects the most natural evolution equation for a moving submanifold: it is the gradient flow of the area functional, as well as the analog of the heat equation for submanifolds. The lecture will survey mean curvature flow for a general audience.

The lecture will take place in Thackeray 704 at 3:30pm.  
Refreshments will start at 3:00pm.