

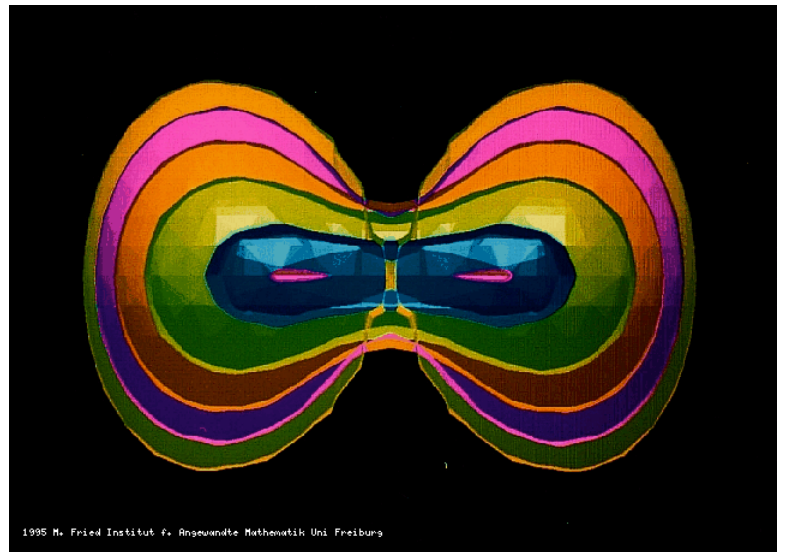
# The Oliver Club

[www.math.cornell.edu/~oliver/](http://www.math.cornell.edu/~oliver/)

**Tobias Colding**, Massachusetts Institute of Technology

## ***Singularities and Dynamics of Mean Curvature Flow***

*Mean curvature flow is the negative gradient flow of volume, so any hypersurface flows through hypersurfaces in the direction of steepest descent for volume and eventually becomes extinct in finite time. Before it becomes extinct, topological changes can occur as it goes through singularities. Thus, in some sense, the topology is encoded in the singularities. In this lecture I will discuss new and old results about singularities of mean curvature flow, focusing on some very recent results about generic singularities.*



**Thursday, April 26, 2012**  
**at 4:00 PM in 532 Malott Hall**

Refreshments will be served at 3:30 PM in the Mathematics Department lounge (532 Malott Hall).