

1063-35-38

Natasa Sesum* (natasa.sesum@gmail.com), One Franklin town blvd. a405, Philadelphia, PA 19103, and **Nam Q Le**. *The extension results for the mean curvature flow.*

In the talk we will present some joint results on the mean curvature flow with Nam Le. We will show that if the flow is a type I flow then the mean curvature controls the flow in the sense that the blow up of the second fundamental form can not occur. We will also discuss some improved extension results in the case of surfaces. We will also give a rate of the blow up of mean curvature. (Received July 19, 2010)