

1135-53-1967

Mat Langford* (mlangfo5@utk.edu) and **Stephen Lynch**. *Optimal curvature pinching in mean curvature flow.*

We will describe how Huisken's now classical Stampacchia iteration argument can be used, in a simple and direct way, to show that a mean convex solution of mean curvature flow is 'optimally pinched' at its first singularity. Time permitting, we will present an application of the result to ancient solutions of the flow and describe how the result may be extended to a large family of fully nonlinear flows. The work on fully nonlinear flows is joint with Stephen Lynch (FU Berlin) (Received September 25, 2017)