1093-35-199   **Ling Xiao*** (`lxiao8@jhu.edu`). *Gradient Estimates and Lower Bound for The Blow-up Time of Star-shaped Mean Curvature Flow.*

In this talk, I will begin with some known results for mean curvature flow. Then, I will prove a gradient estimate for star-shaped mean curvature flow. As an application, I will give an estimate on the lower bound of the blow-up time. (Received August 13, 2013)