

1062-53-114

L Wang* (luwang@math.mit.edu), Department of Mathematics, 77 Massachusetts Avenue,
Cambridge, MA 02139. *A Bernstein Type Theorem For Self-Similar Shrinkers.*

In this talk, we discuss the Bernstein theorem for self-shrinkers under mean curvature flow. Namely, we show that the only smooth entire graphical self-shrinkers in \mathbb{R}^{n+1} are hyperplanes. The method we use parallels the Bernstein theorem for minimal hypersurfaces. (Received August 02, 2010)