

1134-35-125 **Xiaolong Li*** (xiaolol1@uci.edu), 340 Rowland Hall (Bldg.# 400), University of California,
Irvine, Irvine, CA 92697. *Asymptotic Behavior of Nonparametric Gauss Curvature Flow.*

In this talk, I will present a result on the asymptotic behavior of some fully nonlinear parabolic partial differential equations. Such equations arise naturally in the motion of nonparametric hypersurfaces by powers of Gaussian curvature. The main result asserts that the solution asymptotically picks up the symmetry of the domain, regardless of its initial shape. (Received August 29, 2017)