

GEOMETRIC ANALYSIS SEMINAR

Speaker: Jonathan Zhu

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Date: Thursday, April 29, 2021

Time: 9:00 AM

Location: Zoom

Zoom URL: notredame.zoom.us/j/96288130964?pwd=c2dDelJJTXhSdTBVSEtLYlI1NEdzZz09



Lecture Title:

Explicit Lojasiewicz inequalities for mean curvature flow shrinkers (NOTE SPECIAL TIME)

Abstract

Lojasiewicz inequalities are a popular tool for studying the stability of geometric structures. For mean curvature flow, Schulze used Simon's reduction to the classical Lojasiewicz inequality to study compact tangent flows. For round cylinders, Colding and Minicozzi instead used a direct method to prove Lojasiewicz inequalities. We'll discuss similarly explicit Lojasiewicz inequalities and applications for other shrinking cylinders and Clifford shrinkers.