Department of Mathematics
University of Notre Dame

GRADUATE STUDENT GEOMETRY SEMINAR

Guest Speaker: Chen-Kuan Lee
University of Notre Dame

Date: Wednesday, October 11, 2023
Time: 12:00 PM
Location: 258 Hurley Bldg
Zoom URL: NA

Lecture Title:
Self-Similar Solutions to Mean Curvature Flow

Abstract

In this talk, we will briefly introduce mean curvature flow (MCF) and special solitons to MCF: translating solitons and self-similar solutions. We will mainly focus on self-similar solutions, illustrating their significance to studying MCF. If time allows, we will construct a specific self-expander based on Lawson-Osserman cone.

Chen-Kuan Lee - University of Notre Dame