

RICCI FLOW SEMINAR

Speaker: Shih-Kai Chiu
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Date: Thursday, November 1, 2018

Time: 9:30 AM

Location: 258 Hurley Hall

Lecture Title:

Bounding scalar curvature and diameter along the Kahler Ricci flow (after Perelman)

Abstract

I will talk about the paper "Bounding scalar curvature and diameter along the Kahler Ricci flow (after Perelman)" by Sesum and Tian. The main result is that, on a Fano manifold, the scalar curvature and diameter are uniformly bounded along the Kahler Ricci flow. The bounds only depend on the initial metric. I will focus on the use of monotonicity of Perelman's W functional to get certain bounds and non-collapsing results.