



Speaker: Yuanqi Wang
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Thursday, February 19, 2015
2:00 PM
125 Hayes-Healy Hall

Title: Liouville theorem for complex Monge-Ampere equations with conic singularities and its applications in Kahler Geometry.

Abstract:

Following Calabi, Pogorelov, Evans-Krylov-Safanov, and Trudinger's pioneer work on interior regularities and Liouville theorems for Monge-Ampere equations, we prove the Liouville theorem for conic Kahler-Ricci flat metrics. We also discuss various applications of this Liouville theorem to the compactness in Kahler-Einstein problem and conic Kahler-Ricci flows.