

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 呂楊凱 博士 Dr. Yang-Kai Lue
(National Center for Theoretical Sciences)

Title : *The stability of self-shrinkers of mean curvature flow*

Abstract :

From Huisken's monotonicity formula, self-shrinkers describe all possible central blow-up limits of a finite-time singularity of mean curvature flow. We introduce the F -functional. Self-shrinkers are critical points of the F -functional. Using the second variation of the F -functional, some self-shrinkers can be classified. I will talk about recent classification results of self-shrinkers.

Time : 11:00 – 12:30, Wednesday, May 17, 2017

Venue : Room 202, Astro-Math. Building (NTU Campus)

Organizer : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

Refreshment : 10:30

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