



ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ

ΤΜΗΜΑ ΜΑΘΗΜΑΤΙΚΩΝ



Εβδομαδιαίο Σεμινάριο

Polygonal ancient solutions to mean curvature flow

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We study ancient convex collapsed solutions to mean curvature flow $\{M_t^n\}_{t \in (-\infty, 0)}$ in terms of their squash down:

$$\Omega_* = \lim_{t \rightarrow -\infty} (-t)^{-1} M_t.$$

We show that Ω_* must be a convex body which circumscribes \mathbb{S}^1 and for every such Ω_* we construct a solution with this prescribed squash down. Our analysis includes non-compact examples, in which setting we disprove a conjecture of White stating that all eternal solutions must be translators. This is joint work with Langford and Tinaglia.

Τετάρτη 30 Ιουνίου 2021, 17:00

Η ομιλία θα γίνει μέσω της πλατφόρμας ZOOM