

SCMS Seminar



TRANSLATING SURFACES OF THE NON-PARAMETRIC MEAN CURVATURE FLOW IN LORENTZ MANIFOLD $M^2 \times \mathbb{R}$

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Lecture

Time: 10:00-11:00, Tuesday, Apr. 24, 2018

Venue: Room 2201, East Main Guanghua Tower, Handan Campus

Abstract: For the Lorentz manifold $M^2 \times \mathbb{R}$, with M^2 a 2-dimensional complete surface with nonnegative Gaussian curvature, we investigate its space-like graphs over compact strictly convex domains in M^2 , which are evolving by the non-parametric mean curvature flow with prescribed contact angle boundary condition, and show that solutions converge to ones moving only by translation. This talk is based on a joint-work with L. Chen, D.-D. Hu and N. Xiang.