

**COLLOQUIUM DE MATHEMATIQUES
DE L'UNIVERSITE PARIS 12**

Université Paris 12

Salle P2-132

Jeudi 14 juin 2007

à 14h30

Rafe MAZZEO

Stanford University

The curve shortening flow on general networks

I will review the classical curve-shortening flow for closed embedded curves in the plane, then explain the difficulties associated with extending this flow to planar networks. The main theorem I will discuss, joint with Saez, is a short time existence result for this flow starting from a general network.

Organisateurs

Julien BREMONT et Raphaël DANCHIN

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