

Dijous 26 de setembre del 2013, 11:00h

Aula A1 (CRM).

The dynamics of vortex filaments with corners

LUIS VEGA

(Universidad del Pas Vasco - Euskal Herriko Unibertsitatea)

ABSTRACT: I shall present some recent results obtained in collaboration with V. Banica and F. de la Hoz about the evolution of vortex filaments according to the so-called binormal law. After reviewing the results about filaments with one corner, we will look at the case of general polygons. The dynamics turn out to be quite complex. Among other things numerical evidence on the appearance of multifractals will be given.