



ICMAT DAY: Tuesday, 19 May 2015.

Dulcinea Raboso (11:00-11:30)

Lattice points in the solid torus

Abstract:

The problem of lattice points has a long tradition in analytic number theory. In this talk we will give a basic introduction to the topic, and we will discuss the case of a non-convex body bounded by the torus in \mathbb{R}^3 . A difference with respect to the classic scheme (for convex regions) is that the main term has to be complemented with a secondary main term.

Coffee break (11:30-11:45)

Alberto Enciso (11:45-12:45)

A conjecture of Lord Kelvin on knots of stationary fluids

Abstract:

In this talk I will review on recent progress on the existence of stationary solutions of Euler's equation in \mathbb{R}^3 with knotted vortex tubes. The existence of such solutions was conjectured by Lord Kelvin in 1875. This talk is joint work with Daniel Peralta-Salas.



Univ. Carlos III de Madrid



Coordenadas

Hora 11:00 to 12:45
Lugar Seminario del Departamento de Matemáticas
2.2 D08 Edificio Sabatini.

Dirección

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