DEPARTAMENTO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

Facultad de Ciencias MATEMÁTICAS

Instituto de Matemática Interdisciplinar

SEMINARIO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

Filomena Pacella
Università degli Studi di Roma "La Sapienza"

OVERDETERMINED PROBLEMS AND CONSTANT MEAN CURVATURE SURFACES IN CONES

We present some recent results about the characterization of domains inside a cone which admit a solution for a partial overdetermined problem.

A parallel question is to study constant mean curvature surfaces with boundary in cones.

The relation between the two problems and the connection with an isoperimetric inequality will be discussed as well as the role of the convexity of the cone and the construction of counterexamples.

Organizado por el Departamento de Análisis Matemático y Matemática Aplicada y el Instituto de Matemática Interdisciplinar (IMI)

Fecha: Martes 22 de noviembre de 2022
a las 15:00 horas
Lugar: Aula Alberto Dou
Facultad de CC Matemáticas, UCM