



Departamento de Matemática Aplicada

Seminario
Matemática Aplicada - UCM

Curso 2015-2016

Miércoles 18 de noviembre de 2015

Facultad de CC. Matemáticas
Sala 209. Seminario Alberto Dou

12:00. Jaime Ortega.

Departamento de Ingeniería Matemática (DIM) y Centro de
Modelamiento Matemático (CMM),
Universidad de Chile.

(Actualmente Profesor Invitado del Departamento de Matemática
UAM).

“Some ideas on inverse problems in fluid mechanics”

Abstract

In the last years, Inverse problems became an interesting area, due to the large number of applications, for example in medicine, mining, earth sciences, oceanography, among others. In this talk we will focus in the study of inverse problems related with fluid mechanics. We will present a review of several results in viscous and inviscid fluids, related with the analogous well known Calderon's Problems and with the called geometric Inverse problems. Finally we will discuss some open problems.

Organiza:

Departamento de Matemática Aplicada. UCM.

Con la colaboración del Grupo de Investigación UCM “Comportamiento Asintótico y Dinámica de Ecuaciones Diferenciales” (CADEDIF).