



Departamento  
de Matemática  
Aplicada



## Seminario de Matemática Aplicada

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# “The Cauchy problem for an electron-phonon interaction ”

Abstract:

We present some results, obtained in collaboration with Mario Figueira and Filipe Oliveira, recently published in the Chinese Annals of Mathematics, Series B, on the Cauchy problem concerning a quasilinear system which describes a quartic anharmonic interatomic interaction with an external potential involving a pair electron-phonon.

Organizado por el Departamento de Matemática Aplicada, el Grupo MOMAT, el proyecto europeo FIRST y el Instituto de Matemática Interdisciplinar (IMI).

Viernes 22 de junio de 2012 a las 12:00 hs.  
**Seminario Alberto Dou (sala 209)**  
**Facultad de CC Matemáticas, UCM**