



Departamento
de Matemática
Aplicada



Seminario de Matemática Aplicada

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Visiting Scientists of the European ITN FIRST

New PDE methods for weak KAM theory I & II

Abstract: In these linked talks I will present an expository discussion of the singular limit for an unusual variational principle in weak KAM theory. The key point is that the Euler-Lagrange PDE for the variational problem somehow contains in the asymptotic limit information about integrable structures for Hamiltonian dynamics. I will review various known estimates for this problem and introduce as well some newer ideas.

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

20 y 21 de mayo de 2013, de 12 a 13 horas.

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