Departamento de Matemática Aplicada

Instituto de Matemática Interdisciplinar

Seminario de Matemática Aplicada

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Free Boundary problems for reaction-diffusion equations in ecology

This lecture is concerned with free boundary problems which model the invasion or migration of a species. The population density of the species is described by a reaction-diffusion equation and a part of the boundary of its habitant is a free boundary, whose dynamics is determined by a Stefan-like condition. Our main purpose is to study asymptotic behavior of solutions as time goes to infinity. In particular, we will establish some conditions for spreading of species and/or vanishing of species.

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

Lunes 3 de diciembre de 2012 a las 11:00 hs.

Seminario Alberto Dou (sala 209)
Facultad de CC Matemáticas, UCM