

Nonlinear Partial Differential Equations

Universidad Complutense de Madrid

Seminario A. Dou del Departamento de Matemática Aplicada

Jueves 18 de junio

Viernes 19 de junio

09:30 R. M. Pardo San Gil (UCM)

A priori bounds for positive solutions
of subcritical elliptic equations

10:15 C. Mora-Corral (UAM)

Local invertibility in Sobolev spaces and
applications to variational models with
varying domains

11:00 P. Álvarez-Caudevilla (UC3M)

Cooperative RD systems in spatio-temporal
degenerate environments

12:00 Pierpaolo Omari (UDSTrieste)

On a class of prescribed anisotropic
mean curvature equations

09:30 I. Antón (UCM)

Un modelo de RD en Ingeniería Nuclear.

10:15 A. Tellini (CNRS-EHESS)

Acceleration of Fisher – KPP propagation due to
heterogeneities on the boundary

11:00 D. Aleja (UC3M)

Dynamics of a class of convective advective
equations in Ecology

12:00 F. Prieto (UC3M)

Numerical simulations of classical and nonclassical
positive solutions for competition models

12:45 S. Cano-Casanova (UPCM)

Logistic problems with nonlinear boundary
conditions and spatial heterogeneities



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