6.1.4. Publications of the four coordinated groups

The following are the publications in the last 8 years (2003-2010) of the members of the group. Due to their special relevance to the project, we include a few older publications, accepted articles, and preprints.

A. Reaction-diffusion equations


[222] X. Cabré, M. Sanchón, Geometric-type Hardy-Sobolev inequalities and applications to the regularity of minimizers, Preprint.


Partial Differential Equations and Multiestructures


B. Geometric problems


X. Cabré, Topics in Regularity and Qualitative Properties of Solutions of Nonlinear Elliptic Equations, Discrete and Continuous Dynamical Systems 8 (2002), 331–359.


X. Cabré, L. Moschini, Liouville type results for anisotropic degenerate elliptic problems, in preparation.


C. Quantum Physics and mathematical modelling in Biology and Industry


E. Population dynamics


F. Fluid Mechanics Problems


G. Numerical analysis: novel discretizations and fast solvers

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H. Complex networks


