

GDM
Stability, bifurcation and chaos in finite and infinite dimension
Organizers: Rafael Obaya and Eduardo Liz
Escuela de Ingenierías Industriales. Paseo del Cauce 59

Thuesday 29th June. Room B8

9:00. Openning.

9:10. **Russell Johnson**. Universidad de Florencia.

Breakdown of stability in nonautonomous ODEs with rapidly oscillating coefficients.

10:05. **Sylvia Novo**. Universidad de Valladolid.

Nonautonomous neutral functional differential equations monotone for the exponential ordering.

11:00. Coffee Break. Floor -1.

11:30. **Martin Rasmussen**. Universidad de Ausburgo.

Approximation of nonautonomous invariant manifolds.

12:25. **Alex Haro**. Universidad de Barcelona.

Rigorous validation of invariant tori on the verge of a hyperbolicity breakdown.

14:00. Lunch. Taberna de la Alegría. Plaza de las Batallas 3.

16:00. **Carmen Núñez**. Universidad de Valladolid.

General dynamical description of monotone and sublinear skew-product semiflows.

16:55. **Ana M. Sanz**. Universidad de Valladolid.

Two-dimensional systems of monotone and sublinear differential equations.

17:50. **Joaquim Puig**. Universidad de Barcelona.

Quasi-periodic Schrödinger operators beyond the almost Mathieu.

21:30. Dinner. Restaurante Patio Herreriano. C/ Jorge Guillén 6.

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Wenesday 30th June. Room B8

- 09:10. **Tibor Krisztin**. Universidad de Szeged.
Smoothness problems for differential equations with state-dependent delay.
- 10:05. **Santiago Ibáñez**. Universidad de Oviedo.
Heteroclinic and homoclinic cycles in unfoldings of singularities.
- 11:00. Coffee Break. Floor -1.
- 11:30. **Joan Carles Tatjer**. Universidad de Barcelona.
Effective computation of bifurcations of periodic points related to homoclinic bifurcations.
- 12:25. **Christian Pötzsche**. Universidad Técnica de Munich.
More on nonautonomous bifurcation!.
- 14:00. Lunch. Taberna de la Alegría. Plaza de las Batallas 3.
- 16:00. **Víctor Mañosa**. Universidad Politécnica de Cataluña.
On globally periodic maps and periodic flows.
- 16:55. **Mihály Pituk**. Universidad de Pannonia.
Nonnegativity and monotonicity for delay differential equations.
- 17:50. **Armengol Gasull**. Universidad Autónoma de Barcelona
Some new results on Lyness recurrences.
- 18:45. Closure.