

Department: Mathematics and Computing

Group name: *Nonlinear Dynamics Group.*

Acronym: *GDNL*

Group Coordinator: Lanchares Barrasa, Víctor

ANEP Area(s): Physics and space sciences; Mathematics

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Department Report: 14/12/2004

RESEARCH TEAM

Number of researchers: 4

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
Lanchares Barrasa, Víctor	Mathematics and Computing	TP
Iñarrea Las Heras, Manuel	Chemistry	TP
Pascual Lería, Ana Isabel	Mathematics and Computing	Doctor on Contract
Salas Ilaraza, José Pablo	Chemistry	TP

COLLABORATORS

Nº of collaborators: 0

<u>Collaborators</u>	<u>Department</u>	<u>Professional category</u>
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Lines of research

Non-linear dynamics in Hamiltonian dynamical systems.

Theory of equilibrium stability in dynamical systems.

Normal shapes for dynamical systems.

Applications of dynamical systems to problems of Atomic and Molecular Physics.

Applications of dynamical systems to Celestial Mechanics and Astrodynamics.

Scientific and technological offer

Development of algorithms for the study of models associated with dynamical systems.
Mathematical modelling of physical problems.

National and international relations

Jesús Palacián and Patricia Yanguas. Public University of Navarra.
Antonio Elipe. University of Zaragoza.
Rosario González Férez. University of Granada.
Jorge Mahecha. University of Antioch. Colombia
David Farrelly. Utah State University. USA.
Boris Bardin. Moscow Aviation Institute. Russia
Peter Schmelcher. University of Hamburg. Germany