

Department: Mathematics and Computing
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Group name: *Geometry, Topology, and History of Mathematics*

Acronym: *GTH*

Group Coordinator: Hernández Paricio, Luis Javier

ANEP Area/s: Mathematics; History and Art

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Department Report: 17/04/2015

RESEARCH TEAM
No. of researchers: 4

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Hernández Paricio, Luis Javier	Mathematics and Computing	Full Professor
Extremiana Aldana, José Ignacio	Mathematics and Computing	Associate Professor
Martínez García, María Ángeles	Mathematics and Computing	PhD Hire
Rivas Rodríguez, María Teresa	Mathematics and Computing	Associate Professor

COLLABORATORS
No. of collaborators: 1

<u>Collaborators</u>	<u>Department</u>	<u>Professional Category</u>
Español González, Luis	Mathematics and Computing	Honorary Professor

Research areas

Algebraic topology.
Continuous and discrete topological dynamics.
Theory of form.
Theory of exterior spaces.
Quillen model categories.
Topos Theory.
Fractal geometry and graphical representations.
Theory of approximation and iterative processes.
History of Mathematics.

Scientific and technological offer

Topological and geometric modeling.
Graphical representations for fractal geometry and dynamic systems.
Approximation models and data mining.
Computational Geometry and Topology.

National and International Relations

University of North Wales, University of Split, University of Buenos Aires, The State University of New Jersey.