



DEPARTAMENTO DE
GEOMETRÍA Y TOPOLOGÍA



Colloquium

Bruno P. Zimmermann

Università degli Studi di Trieste (Italia)

“On finite group-actions on low-dimensional spheres and euclidean spaces, and finite subgroups of the orthogonal groups”

We discuss some classical and recent results on finite groups acting on spheres and Euclidean spaces (in particular, in dimensions three and four), confronting them with linear (orthogonal) actions, that is with finite subgroups of the orthogonal groups $O(n)$. The methods are mainly from the theory of finite transformation groups (e.g., Smith fixed point theory) and from the theory of finite groups (in particular, finite simple groups).

**Organizado por el Departamento de Geometría y Topología de la UCM,
el Grupo de Investigación “Superficies de Riemann, Espacios de Teichmüller
y aplicaciones” y el IMI - Instituto de Matemática Interdisciplinar**

**Fecha: Jueves 11 de Marzo, a las 13.00 horas
Aula Miguel de Guzmán
Facultad de CC Matemáticas, UCM.**