

Algebra, Logic and Topology Seminar

Centre for Mathematics, University of Coimbra
CMUC

Wednesday, 24 June

Room 2.4, CMUC/DMUC

There will be no online version.

The following talk is part of the seminar of the Algebra, Logic and Topology group of the Centre for Mathematics, University of Coimbra.

16:00

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Polaroids

How can one simplify a general group action by replacing it with a regular group action, that is, one whose orbits all have the same dimension? In this lecture, I will discuss this problem for proper Lie group actions, as well as its generalization to proper Lie groupoids. I will review some classical results and present recent unpublished joint work with Marius Crainic (Utrecht) and David Martínez-Torres (Madrid). In particular, we introduce the notion of a polaroid, a certain class of proper Lie groupoids for which this problem admits an especially elegant solution.

In-person seminar

Algebra, Logic and Topology group, CMUC