

AGCO Seminar

Author: Felix Joos, University of Birmingham.

Where: Av República 701, Sala 33.

When: Wednesday, May 15, 14:30.

Title: Graph decompositions using group actions

Abstract: I will present some recent results on graph decompositions. To this end, we find a very 'nice' subgraph H in a host graph we would like to decompose into copies of H . Then we employ a group action to 'rotate' H . This rotation yields a decomposition of the host graph into copies of H . We construct this 'nice' subgraph using probabilistic tools, a well-known hypergraph matching theorem due to Pippenger and Spencer and an absorption method. This is joint work with Stefan Ehard and Stefan Glock.