

Séminaire d'algèbre, topologie et géométrie  
Jeudi 1 juin à 14h  
Salle de Conférences

Yuri Zarhin

Penn State

*Jordan properties of automorphism groups of complex algebraic varieties*

A classical theorem of Jordan asserts that each finite subgroup of the complex general linear group  $GL(n)$  is "almost commutative" : it contains a commutative normal subgroup with index bounded by a universal constant that depends only on  $n$ . We discuss an analogue of this property for the groups of birational (and biregular) automorphisms of complex algebraic varieties. This is a report on a joint work with Tatiana Bandman (Bar-Ilan).