

Séminaire d'algèbre, géométrie et topologie
Jeudi 10 septembre à 14h
Salle I

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Conjugacy Problem in Polycyclic Groups : Complexity and Applications

In this talk, we explore the complexity of an algorithmic problem in combinatorial group theory namely conjugacy problem. In particular we consider a class of groups which is a generalization of cyclic groups, called polycyclic groups ; with more complex algorithmic theory. We then look at a couple of applications in cryptography.

The talk will be accessible to graduate students.