



UNIVERSIDADE FEDERAL DO RIO DE JANEIRO

INSTITUTO DE MATEMÁTICA

Algebra Seminar

Speaker : Rachel Skipper (Binghamton University)

Title : The congruence subgroup problem for branch groups

Date : April 19, 2016. Time : 17:00. Room : TBA

Abstract. Branch groups derive their importance from the interesting properties that groups in this class can exhibit (amenable but not elementary amenable, finitely generated infinite torsion, etc.) and from their connections to other fields such as combinatorics and computer science.

In this talk, we will discuss the congruence subgroup problem for groups acting on spherically homogeneous rooted trees which is related to the famous question of the same name for special linear groups. We will see what is known in the specific case when the groups acting on the tree are branch groups.