

ALGEBRA AND GEOMETRY SEMINAR

Speaker: Thomas Barthelmé (Queen's University)

Title: Group actions on bifoliated planes and classification of Anosov flows

Abstract: In this talk, I will aim to answer the following questions:

- What are Anosov flows and why would anyone in their right mind think it interesting to try to classify them? (or at the very least, why would a mathematician think it interesting?)
- What does classify mean anyway?
- Aside from the word “group”, is there any Algebra involved? (well....) Geometry, at least? (most definitely, yes!)
- How are Anosov flows related to group actions on bifoliated planes?
- How can one tell if two Anosov flows are the same?

The answer to the last question is joint work with Katie Mann and Steven Frankel.