

SIPo (Seminario de Investigadores Postdoctorales)

Speaker: Haritha Cheriyaath, (CMM)

Title: Some dynamical invariants under strong orbit equivalence.

Abstract: A dynamical system is usually made up of a state space and a rule (a map acting on the space) that tells us how the system evolves over time. One of the central questions in studying these systems is figuring out when two of them are essentially the same, or conjugate, as we usually say. There are several known features, called invariants, that stay the same under conjugacy, but so far, no single invariant can completely characterize when two systems are conjugate.

Because of that, it is natural to look at a slightly weaker idea of equivalence, called strong orbit equivalence. All conjugate systems turn out to be strongly orbit equivalent, and what is nice is that, in this setting, a complete invariant does exist.

In this talk, we will take a look at some familiar invariants from the world of conjugacy and see how they behave in the context of strong orbit equivalence.

Date and Time: 2nd June, Monday at 2.30 PM.

Venue: John Von Neumann Seminar Room, CMM, Beauchef 851, North Tower, 7th Floor.

