“Doc in Progress” is pleased to introduce you to

Alessandro Codenotti
University of Münster
PhD in Mathematics

An introduction to the Kechriss-Pestov-Todorčević correspondence

A topological group $G$ is said to be extremely amenable if it satisfies the strongest possible fixed point property: whenever $G$ acts continuously on a compact topological space, there must be a fixed point. In this talk we will present an elementary proof, due to Pestov, of the extreme amenability of $\text{Aut}(\mathbb{Q}, \leq)$, the group of order preserving functions on the rationals. This is the simplest manifestation of a widespread phenomenon, now known as the Kechriss-Pestov-Todorčević correspondence or KPT correspondence in short, which links together topological dynamics, Ramsey theory and the model theory of homogeneous structures.

Monday, October 17 – at 11:00 CET

The seminar will be held in room “Aula seminari di Fisica” (Department of Physics). If needed, please contact docinprogress.unin@gmail.com using an institutional e-mail address to ask for a Zoom streaming of the event.