

# Dragan Mašulović

---

Department of Mathematics and Informatics, Faculty of Sciences  
University of Novi Sad, Serbia  
dragan.masulovic@dmi.uns.ac.rs

## The Kechris-Pestov-Todorčević correspondence in an abstract setting

In this talk we present a way to reinterpret the Kechris-Pestov-Todorčević correspondence in an abstract categorical setting. We then instantiate this abstract setting in several ways. The interpretation in the category of countable structures with embeddings reproduces the KPT correspondence for Fraïssé limits. The interpretation in categories of arbitrary structures with embeddings yields some recent results of Bartošova in which extreme amenability of automorphism groups of some uncountable structures was established. Finally, the interpretation in op-categories yields a dual of the KPT correspondence. For example, we show that if  $F$  is a projectively homogeneous structure, then  $\text{Aut}(F)$  is extremely amenable if and only if the projective age of  $F$  has the dual Ramsey property.