

**Date:** September 22, 2020

**Speaker:** Dana Bartosova

**Title:** On universal minimal flow of  $Z^2$

**Abstract:** The universal minimal flow  $M(G)$  of a topological group  $G$  is the largest, inclusion minimal, continuous action of  $G$  on a compact Hausdorff space, i.e., every minimal  $G$ -action is its factor. We investigate the relationship between  $M(Z)$  and  $M(Z^2)$ . Should the time remain, we will talk about the motivation for this work - universal minimal flows of SIN groups, and another point of attack in the locally compact case. This is work in progress, partially with Aleksandra Kwiatkowska.