

**COHOMOLOGICAL PROPERTIES OF MACKEY FUNCTORS FOR
TOTALLY DISCONNECTED LOCALLY COMPACT GROUPS**

Fudan Topology Seminar

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Abstract: Mackey functors for finite groups are well understood. In the early 2000s this was extended to infinite discrete groups, and their cohomological finiteness conditions have been expressed in terms of relative cohomology and finiteness conditions of classifying spaces for proper actions. In this talk I will indicate how one can extend the definition to totally disconnected groups, and will indicate some of the obstacles encountered here. This is ongoing work with Ilaria Castellano and Nadia Mazza.