

# Algebra/Topology Seminar

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## CENTRALIZERS AND A UNIVERSAL SPACE WITH CYCLIC ISOTROPY OF THOMPSON'S GROUP $F$

Thursday, April 20, 2017

1:15 p.m. in ES-143

ABSTRACT. I'll present new joint work with Matt Zaremsky. We describe a universal space with cyclic isotropy for Thompson's group  $F$  of orientation preserving, piecewise linear, dyadic homeomorphisms of the unit interval. A key ingredient is the analysis of centralizers and normalizers of cyclic subgroups of  $F$ , which is of independent interest. We finally give applications to assembly maps and isomorphism conjectures.