

# Algebra/Topology Seminar

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## ELEMENTARY BUT COMPLEX GROUPS OF PL HOMEOMORPHISMS OF THE UNIT INTERVAL

Thursday, April 16, 2015  
1:15 p.m. in ES-143

ABSTRACT. Among the subgroups of the PL homeomorphism group of the interval is one fascinating group: Thompson's group  $F$ . The statement " $F$  is the only interesting such subgroup" can be given meaning and the statement was long conjectured to be correct. In the last year, other interesting groups have been found and their properties have been slowly uncovered. The talk is a progress report giving some results, some strong beliefs, and some open questions. The work is joint with Collin Bleak and Justin Moore.