Title: *An irrational-slope Thompson's group,* by José Burillo

Abstract: After a short introduction to the groups of the Thompson family and their properties, we will describe a group in the family where the breakpoints are irrational points, and the slopes are also irrational. This group shares some of the properties of the groups of the family, but it has new properties, in particular, it has torsion in the abelianization, and it has an interesting index-two subgroup which is not present in the standard Thompson's groups. The irrational-slope group contains several undistorted copies of Thompson's group F