

# On the number of ultraproducts of sofic and hyperlinear groups

April 18th, 2012

LaWiNe Seminar (University of Vienna)

I will present the main ideas and techniques of the proof, obtained by means of logic for metric structures, that there are consistently power of the continuum many pairwise non isomorphic universal sofic and hyperlinear groups. This answers a question from 2010 of Simon Thomas, who proved this statement for universal sofic groups with an ad hoc algebraic argument, and asked if the same was true for universal hyperlinear groups.