

# AMOEBAS FOR UNCOUNTABLES

GIORGIO LAGUZZI

ABSTRACT. In the framework of the generalized descriptive set theory, we introduce and investigate some analogue of the standard amoeba for tree forcings, which are forcing notions for adding large sets of generic reals. These forcings play a crucial role in the context of the standard set theory of the reals, since they are essential tools to solve questions about regularity properties and cardinal characteristics. In our talk we focus on some versions of amoeba for Sacks forcing. In particular, the most surprising result will be that whenever you add a generic Sacks tree of Sacks branches, then one necessarily adds a kappa Cohen branch, which highlights a great difference with the standard omega case.

AKADEMISCHER RAT (ASSISTANT PROFESSOR), ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG  
*E-mail address:* `giorgio.laguzzi@libero.it`