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Emanuele Ventura*, emanuele.ventura@aalto.fi. *Finite phylogenetic complexity and combinatorics of tables.*

In this talk, we will discuss the phylogenetic complexity of an abelian group. This is an invariant introduced in a seminal work by Sturmfels and Sullivan, in the context of group-based models. We will show that the phylogenetic complexity is finite for every abelian group. This is a joint work with Mateusz Michałek. (Received September 03, 2016)