

Logic Seminar

The relation of embeddability between torsion-free abelian uncountable groups

Filippo Calderoni (Università di Torino)

Abstract: We will discuss the problem of determining the Borel complexity of the analytic quasi-order of embeddability between torsion-free abelian groups in both the settings of the classical and generalized Descriptive Set Theory. Then we will see how we can slightly modify a categorical construction by Przewdziecki to prove that, for every uncountable κ such that $\kappa^{<\kappa} = \kappa$, the embeddability between κ -sized torsion-free abelian groups is as complicated as possible among the analytic quasi-orders defined on the generalized Baire space on κ .

Tuesday, March 14 at 4:00 PM in SEO 427