Universality of embeddability between groups

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Working in the framework of Borel reducibility we study the quasi-order of embeddability between groups. We prove that the embeddability between countable groups and the topological embeddability between Polish groups are invariantly universal for analytic quasi-orders. The first strengthens a result by Williams [1], while the second improves a result by Ferenczi–Louveau–Rosendal [2]. Most of the techniques we use come from [3] and [1].

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