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Simon Thomas and **Jay Williams*** (jaywill@caltech.edu), Mathematics 253-37, Caltech, Pasadena, CA 91125. *Cone measures and isomorphism of Kazhdan groups.*

It is a result of Martin that for every Borel Turing-invariant set $X \subseteq 2^{\mathbb{N}}$, either X or its complement contains a Turing cone, i.e. a set consisting of every Turing degree above a specific degree. We show there is no analog of Martin's theorem in the context of embeddability of finitely generated groups. Along the way we prove some results on groups which are bi-embeddable with Kazhdan groups. We also show that isomorphism of Kazhdan groups is weakly universal. (Received August 09, 2013)