

1099-03-161 **Jay Williams*** (jaywill@caltech.edu), Mathematics 253-37, California Institute of Technology, Pasadena, CA 91125. *Isomorphism of finitely generated solvable groups is weakly universal.*

Modifying a construction of Neumann and Neumann, we show that the isomorphism relation for finitely generated solvable groups of class 3 is a weakly universal countable Borel equivalence relation. Cardinality arguments show that isomorphism of finitely generated solvable groups of class 2 can not achieve this Borel complexity, so the result is sharp. (Received February 06, 2014)