

1068-51-321

**Irine Peng\***, 831 E. 3rd Street, Bloomington, IN 47405. *Quasi-isometric rigidities of nilpotent-by-cyclic groups.*

Following the work of Farb and Mosher, who gave a complete quasi-isometric classifications of finitely presented, non-polycyclic abelian-by-cyclic groups, we show a similar rigidity phenomenon holds for a class of irreducible nilpotent-by-cyclic groups. (Received January 20, 2011)