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Irine Peng* (ipeng@indiana.edu). *Quasi-isometric rigidities of nilpotent-by-cyclic groups.*

Following the work of Farb and Mosher who gave a complete quasi-isometric classification of abelian-by-cyclic groups that are finitely presented and non-polycyclic, we show a similar rigidity phenomenon holds for a class of irreducible nilpotent-by-cyclic groups. (Received August 23, 2010)