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**Tullia Dymarz\*** ([tullia.dymarz@yale.edu](mailto:tullia.dymarz@yale.edu)). *Bilipschitz equivalence is not equivalent to quasi-isometric equivalence for finitely generated groups.*

We show that certain lamplighter groups that are quasi-isometric (even commensurable) are not bilipschitz equivalent. The proof involves structure of quasi-isometries from rigidity theorems, analysis of bilipschitz maps of the  $n$ -adics and uniformly finite homology. (Received February 22, 2010)