

Mathematics Colloquium

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**Quasi-Isometries
of Solvable Groups**

Abstract: We introduce a “coarse differentiation” method which allows us to prove that the 3-dimensional solvable Lie group Sol is quasi-isometrically rigid, i.e. that any finitely generated group quasi-isometric to Sol is virtually a lattice in Sol.

I will give an introduction to the subject and to the method, and discuss some related questions.

This is joint work with David Fisher and Kevin Whyte.

Wednesday, December 7

**4:00-5:00 pm
204 Smith Hall**