

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Jason Behrstock

Lehman College, CUNY

will speak on

Quasi-isometric classification of 3-manifold groups

ABSTRACT: Any finitely generated group can be endowed with a natural metric which is unique up to maps of bounded distortion (quasi-isometries). A fundamental question is to classify finitely generated groups up to quasi-isometry. Considered from this point of view, fundamental groups of 3-manifolds provide a rich source of examples. We will survey the world of 3-manifold groups from classical results to the recent resolution of some long standing questions. This talk is intended for a broad mathematical audience.

MONDAY, 23 MARCH 2009

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS