TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Bill Goldman

University of Maryland

will speak on

Complete affine 3–manifolds and hyperbolic surfaces

ABSTRACT: A complete affine 3–manifold is a quotient of 3–space by a discrete group of affine transformations which acts properly and freely on 3–space. A hyperbolic surface is a quotient of the hyperbolic plane by a discrete group of isometries acting freely. The classification of complete affine 3–manifolds reduces to studying deformations of noncompact hyperbolic surfaces which uniformly lengthen geodesics. This talk will describe progress on the classification and the properties of these manifolds.

MONDAY, 14 SEPTEMBER 2009
LECTURE AT 4:00 PM
COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM
ROOM 617, WACHMAN BUILDING
DEPARTMENT OF MATHEMATICS