

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Ruth Charney

Brandeis University

will speak on

Boundaries of spaces of non-positive curvature

ABSTRACT: Boundaries of hyperbolic spaces play an important role in the study of hyperbolic groups and hyperbolic manifolds. Analogous boundaries exist for simply connected spaces of non-positive curvature (CAT(0) spaces) but they are not as well behaved and hence less effective. I will discuss the differences between these two settings and then introduce a new boundary for CAT(0) spaces designed to capture hyperbolic-like behavior. (Joint work with Harold Sultan)

MONDAY, MAY 5, 2014

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN HALL

DEPARTMENT OF MATHEMATICS