COLLOQUIUM

UNIVERSITY OF PITTSBURGH

FRIDAY, OCTOBER 13, 2017

704 THACKERAY HALL

3:30 P.M.

KASRA RAFI

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF TORONTO

GEODESIC CURRENTS AND COUNTING PROBLEMS

ABSTRACT: Following the work of Mirzakhani, we discuss various counting problems associated to hyperbolic structures on a closed surface. We show that, several such problems, such as counting of curves of certain length on a hyperbolic surface, or a lattice counting theorem for Teichmller space equipped with the Thurston metric, are special cases of general statement about geodesic currents.

Refreshments served at 3:00 p.m.
in the Math Dept. COMMON ROOM, Thackeray 705