

GEOMETRY–TOPOLOGY SEMINAR

Chris Atkinson

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will speak on

A combinatorial lower bound on the volume of hyperbolic Coxeter polyhedra

ABSTRACT: I will describe how to compute a lower bound on the volume of certain hyperbolic polyhedra in terms of the combinatorics of their 1–skeleta. The lower bound is an application of, among other things, Schläfli’s formula, a combinatorial description of the geometric decomposition of right–angled reflection orbifolds, and a classification of Seifert–fibered reflection orbifolds.

TUESDAY, 26 JANUARY 2010
LECTURE AT 3:30 PM
ROOM 617, WACHMAN BUILDING
DEPARTMENT OF MATHEMATICS