

University of Oklahoma Geometric Group Theory Seminar

Tuesdays at 4:00pm in PHSC 1105

Date: Tuesday, September 19, 2006

Speaker: Matt Clay

Institution: University of Oklahoma

Title: *Guirardel's core for G -trees*

Abstract: Given a group G and two trees T, T' on which G acts, Guirardel constructs a G -invariant subset of the of the product $C \subset T \times T'$, called the core. The volume of the quotient C/G is called the intersection number of the two trees. This generalizes the familiar intersection number between curves on a surface. Guirardel's intersection number also agrees with the intersection number for splittings of groups defined by Scott–Swarup. After defining the core, we will present some examples.