

# Mathematics Graduate Student Presentation

**Steve Hartmann**

**Friday, November 13, 2009**

**3:00 pm – 3:30pm**

**Science & Engineering Bldg  
Room B 136**

## Properties of the Hyperbolic Area Function

Applied to triangles, the defect, congruence, additively, the collapse of similarity, and the upper bound of an area will be explored.