

Mathematics Student Colloquium

Prof. John Loftin

Geometric Structures on Surfaces

Abstract: We will discuss the geometry and topology of compact surfaces, discussing spherical, Euclidean and hyperbolic geometry on different surfaces. We will use some basic geometry to construct fundamental polygons and the fundamental group. If time permits, we will also address somewhat more exotic affine structures on tori and real projective structures on surfaces of higher genus.

Wednesday, September 17

4-5pm

204 Smith Hall