

Mathematics Colloquium

Richard Kent

Brown

**Analytic Functions
from Hyperbolic Manifolds**

Abstract: At the heart of Thurston's proof of Geometrization for Haken manifolds is a family of analytic functions between Teichmüller spaces called "skinning maps." These maps carry geometric information about their associated hyperbolic manifolds, and I'll discuss what is presently known about their behavior. The ideas involved form a mix of geometry, algebra, and analysis.

Thursday, December 10

4:00-5:00 pm

204 Smith Hall

Please note special day