

*Department of Mathematics,  
University of California, San Diego*

\*\*\*\*\*

# **Math 196 - Student Colloquium**

**Prof. Benjamin Weinkove**

UCSD

## **Convergence of metric spaces**

**Abstract:**

A metric space is a set together with a notion of distance. An example would be 3-space with our usual definition of distance, but there are lots of examples which could be quite abstract. Suppose we're given two such spaces: how far apart are they? Does this even make sense? Is there a well-defined notion of the distance between abstract metric spaces? Can a sequence of abstract metric spaces converge? We will discuss these questions in relation to some recent research on curvature flows and geometry.

**Tuesday, November 24, 2009**

**12:00 PM**

**AP&M B412**

\*\*\*\*\*