

“As our perspective shifts from individual spaces X to families of these, we start looking at all metric spaces simultaneously” –Misha Gromov

The Trivial Notions Seminar Proudly Announces

Metric Sociology

A talk by
Valentino Tosatti

Abstract

I will introduce the notion of Gromov-Hausdorff distance and convergence of compact metric spaces, and discuss the question of deciding whether a given set of compact metric spaces is precompact. I will then apply this to the study of closed Riemannian manifolds with diameter and lower Ricci curvature bounds, and I will present several examples of convergence, from the differential and algebro-geometric points of view.

Thursday, February 5th at 2:07 pm
Science Center 507