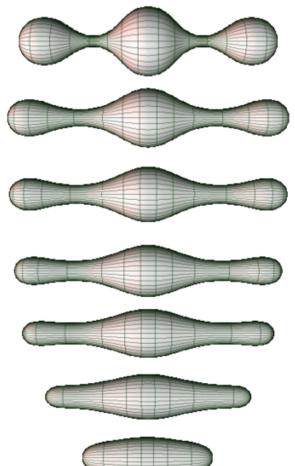# The Oliver Club

www.math.cornell.edu/~oliver/

John Lott, University of California at Berkeley

The Geometry of the Space of Measures and its Applications

In 1781, Monge asked about the optimal way to transport a dirtpile from one place to another. Performing such an optimal transport gives a geodesic path in the space of probability measures. The optimal transport problem has had recent applications to Riemannian geometry (collapse with Ricci curvature bounded below) and Ricci flow (monotonic quantities). I will describe these developments.

**Thursday, February 3, 2011
at 4:25 PM in 406 Malott Hall**

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).