

Meeting: 1007, Santa Barbara, California, SS 9A, Special Session on Ricci Flow/Riemannian Geometry

1007-58-105 **John Lott*** (lott@umich.edu), Department of Mathematics, University of Michigan, Ann Arbor, MI 48109-1109. *Wasserstein space and Ricci flow.*

Given a compact metric space X , its Wasserstein space is the space of probability measures on X , equipped with a certain metric. It has arisen recently in synthetic notions of Ricci curvature. The talk will be about some relations between the Wasserstein space of a Riemannian manifold and Perelman's modified Ricci flow. (Received February 10, 2005)