

1014-Z1-525 **Frank Morgan*** (Frank.Morgan@williams.edu), Department of Mathematics, Williams College,
Williamstown, MA 01267. *Manifolds With Density*. Preliminary report.

How much of Riemannian geometry can be generalized to Riemannian manifolds with density? The premier example is Gauss space: Euclidean space with Gaussian density. (Received September 19, 2005)