1021-58-140 Christina A Sormani\* (sormani@atcomet.lehman.cuny.edu), Mathematics Department, Lehman College, CUNY, Bronx, NY 10468. Manifolds with Ricci Curvature Bounded Below.
Assuming a lower bound on Ricci curvature, one has control on volumes of concentric balls using Bishop-Gromov's Volume Comparison Theorem and thin triangles using Abresch-Gromoll's Excess Theorem. Additionally assuming that the manifold is three dimensional, one may use Hamilton's Ricci flow and Schoen-Yau minimal surface theory. We will discuss properties of these three manifolds. (Received September 02, 2006)