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Weiqiang Wu* (waikng@math.umd.edu). *On Embedded Spheres of Closed Affine Manifolds*. Preliminary report.

We investigate compact affine n -manifold (M, ∂) with boundary homeomorphic to S^{n-1} for $n \geq 3$. If a neighborhood of the boundary can be developed to an embedded sphere in \mathbb{A}^n and the bounded part of its complement, then M is homeomorphic to a n -ball. (Received August 29, 2011)