

**ERRATA IN “THE DECOMPOSITION AND
CLASSIFICATION OF RADIANT AFFINE
3-MANIFOLDS”**

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In Theorem A, Corollary A, and Corollary B, we need to assume that M is a compact radiant affine 3-manifold with empty or totally geodesic boundary, and the radial flow is tangent to the boundary. The boundary condition is needed since we need to have a radiant flow defined on the manifold. With this modification, the proofs are correct.

Without this condition, an closed affine $(n - 1)$ -manifold times a closed interval have a radiant affine structure with two totally geodesic boundary components transversal to the radial flow. Let M be an affine $(n - 1)$ -manifold of form \mathbb{R}^{n-1}/Γ for a discrete group Γ of affine transformations. We embed $\mathbb{R}^{n-1} \times [0, 1]$ to \mathbb{R}^n by $(\vec{x}, t) \rightarrow (\exp(t)\vec{x}, \exp(t))$ and the affine group $\Gamma \subset \text{Aff}(\mathbb{R}^{n-1})$ to $\hat{\Gamma} \subset \text{GL}(n, \mathbb{R})$ by the map

$$(A, b) \rightarrow \begin{pmatrix} A & b \\ 0 & 1 \end{pmatrix}$$

where A is a nonsingular $(n - 1) \times (n - 1)$ -matrix and b is an $(n - 1)$ -vector.

In the proof of Lemma 11.1, we need to change $P_1 \cap L_1$ and $P_2 \cap L_2$ to $P_1 \cap L_2$ and $P_1 \cap L_2$.

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