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([diego.corro.math@gmail.com](mailto:diego.corro.math@gmail.com)). *Core Reduction for Singular Riemannian Foliations in Positive Curvature.*

We develop further the notion of a “pre-section” for a singular Riemannian foliation as a proper submanifold retaining all the transverse geometric information of the foliation. We show that if a positively curved Riemannian manifold, equipped with a singular Riemannian foliation, contains a nontrivial pre-section, then the resulting leaf space has boundary. In particular, we recover as a corollary a known result about polar foliations while also generalizing in the special case of foliations induced by isometric group actions. This is joint work with Diego Corro. (Received January 18, 2021)