

Remarks on complete noncompact Einstein warped products

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Abstract. We show that complete noncompact steady quasi-Einstein manifolds are connected at infinity. In addition, we provide estimates on volume growth of geodesic balls for such manifolds similar to a classical result by Calabi and Yau for complete Riemannian manifolds with nonnegative Ricci curvature. This is a joint work with Batista (UFPI) and Ranieri (UFAL).