

On the total variation on manifolds with Ricci curvature unbounded from below

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Abstract. In this talk, I will first explain some new global facts about functions with a bounded total variation, that are valid on arbitrary Riemannian manifolds. After that, I will discuss the heat kernel characterization of the total variation on a large class of noncompact Riemannian manifolds with Ricci curvature unbounded from below. This is joint work with Diego Pallara.