

Carnot rectifiability of sub-Riemannian manifolds with constant tangent

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Abstract. We show that if M is a sub-Riemannian manifold and N is a Carnot group such that the nilpotentization of M at almost every point is isomorphic to N , then there are subsets of N of positive measure that embed into M by biLipschitz maps. Furthermore, M is countably N -rectifiable, *i.e.*, all of M except for a null set can be covered by countably many such maps.

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