
VITALI KAPOVITCH, University of Toronto

On dimensions of tangent cones in limit spaces with lower Ricci curvature bounds

We show that if X is a limit of n -dimensional Riemannian manifolds with Ricci curvature bounded below and γ is a limit geodesic in X then along the interior of γ same scale measure metric tangent cones $T_{\gamma(t)}X$ are Hölder continuous with respect to measured Gromov-Hausdorff topology and have the same dimension in the sense of Colding-Naber.

This is joint work with Nan Li.