

Abstract

The notion of quantitative singular sets for spaces with lower Ricci curvature bounds was introduced by Cheeger and Naber. Volume estimates were established for these singular sets in a non-collapsing setting. For Alexandrov spaces, we prove stronger and volume-free estimates. We also show that the (k, ϵ) -singular sets are k -rectifiable and such structure is sharp in some sense. This is a joint work with Aaron Naber.