

# Manifolds of bounded Ricci curvature and the codimension 4 conjecture.

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## 1 Introduction

Abstract: Let  $X$  denote the Gromov-Hausdorff limit of a noncollapsing sequence of riemannian manifolds  $(M_i^n, g_i)$ , with uniformly bounded Ricci curvature. Early workers conjectured (circa 1990) that  $X$  is a smooth manifold off a closed subset of Hausdorff codimension 4. We will explain a proof of this conjecture. This is joint work with Aaron Naber.