

GUOFANG WEI
(UCSB)

Smooth Metric Measure Spaces

Some open problems

- Question 1.** If M^n is a compact Riemannian manifold with a measure such that $\text{Ric}_f \geq (>)0$, does M^n have a metric on it with $\text{Ric} \geq (>)0$?
- Question 2.** Are 3-dimensional (or more generally zero Weyl tensor) quasi-Einstein metrics with finite m trivial?
- Question 3.** Are there examples of nontrivial irreducible non-Kähler compact shrinking solitons?