Seminar on Cheeger–Colding theory, Ricci flow, Einstein metrics, and Related Topics

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Four-dimensional shrinking gradient Ricci solitons, Part 1

Abstract:
In these two lectures we plan to survey some known results about complete noncompact shrinking Ricci solitons in dimension four. The main goal is to understand the geometry at infinity of these manifolds, and for that we address the following basic questions: *Estimate the number of ends of 4d shrinkers. *Understand the asymptotic geometry along each end. *Uniqueness results. *Open problems/conjectures.

Host: Bennett Chow

Tuesday, October 20, 2020
5:00 PM
Email bechow@ucsd.edu for Zoom link.