



GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

Kähler-Ricci flow

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Room 6635 South Hall

Abstract: H. D. Cao introduced the Kähler-Ricci flow for canonical metrics on manifolds with definite first Chern class. In particular he obtained a new proof of Calabi's conjecture on the existence of Kähler-Einstein metrics on manifolds with $c_1 < 0$.

More in general, the Kähler-Ricci flow is expected to provide a deeper understanding of the geometry of the underlying manifold. We will survey on some of its property and applications.

Information about future meetings of this seminar can be found at
<http://www.math.ucsb.edu/~drm/GTPseminar/>