

Kähler Ricci flow over quasi-projective manifolds

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In joint work with John Lott, we study the Kähler-Ricci flow over non-compact manifold. In the classic setting of quasi-projective manifold, we include the asymptotic behavior of the flow metric in the space direction. A key motivation is to use cohomology information to characterize the flow, just as for the closed manifold case.