

Kempner Colloquium

COMPLEX GEOMETRY AND THE RICCI FLOW

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The Ricci flow on a manifold M is a smooth flow of metrics which tends to “smooth out” the curvature on M in a manner analogous to how the heat flow tends to smooth out heat distribution over a region. In this talk we will discuss the Ricci flow and a related geometric flow, called the Chern-Ricci flow, on complex manifolds, and show how the maximum principle can be used to give useful bounds on the derivatives of a metric evolving under such a flow.

May 6, 2013

4:00 p.m.

MATH 350