

On the regularity of Ricci flows coming out of metric spaces

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We focus on the smoothing effect of the Ricci flow when it starts from a metric space whose metric is induced by a smooth Riemannian metric. We assume the convergence at the initial time to hold in the Gromov-Hausdorff sense. The main question we address is: under which conditions on the curvature are these Ricci flows attaining their initial conditions in a smooth way ?

This is a joint work with Felix Schulze and Miles Simon.