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Title: Ricci flow from spaces with isolated conical singularities.

Abstract: Ricci flow has been a successful tool of Geometric Analysis, most notably in the resolution of Poincare's conjecture and the Geometrization of 3-manifolds. In higher dimensions the theory becomes significantly more complicated, both regarding the geometry of the possible singularities, as well as the possibility of continuing the flow after a singularity forms. In this talk, I will present recent work on flowing from spaces with isolated conical singularities. Jointly with F. Schulze, we show that this is indeed possible, at least when the singularities are modeled on cones with positive curvature operator.