

Burkhard Wilking: Manifolds with positive curvature operators are space forms.

(Joint work with Christoph Böhm): Confirming a conjecture of Hamilton we show that on compact manifolds the normalized Ricci flow evolves metrics with positive curvature operators to limit metrics of constant sectional curvature. The proof relies on an algebraic identity for curvature operators which in turn makes it easier to apply Hamilton's maximum principle.