

Asymptotic estimates and compactness of expanding gradient Ricci solitons

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Abstract. We first investigate the asymptotics of conical expanding gradient Ricci solitons by proving sharp decay rates to the asymptotic cone both in the generic and in the asymptotically Ricci flat case. We then establish a compactness theorem concerning nonnegatively curved expanding gradient Ricci solitons.

Mathematics Subject Classification (2010): 53C44 (primary); 35K65 (secondary).