

# The Stability of Generalized Ricci Solitons

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## Abstract:

The generalized Ricci flow is first studied by Streets and Tian. It can be viewed as the Ricci flow of connections with torsion which has many applications in non-Kähler geometry. In this poster, we will study the fixed points of the generalized Ricci flow which are called the steady generalized Ricci solitons. Similar to Ricci flow, generalized Ricci flow is also a gradient flow so we can further compute the variation formulas and see some linear stable examples. Our main result is to show that the concept of dynamical stability and linear stability are equivalent on the steady gradient generalized Ricci solitons.