

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, APRIL 20, 2016

PADEL FORD C-36

4PM–5PM

Rigidity of steady Ricci solitons with positively curved
curvature

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In this talk, I will discuss the rigidity problem of κ -noncollapsing steady solitons. First, we show that any κ -noncollapsing steady Kähler-Ricci soliton with nonnegative bisectional curvature must be flat. Secondly, we prove that any κ -noncollapsing steady Ricci soliton with nonnegative curvature operator and horizontally ϵ -pinched Ricci curvature should be rotationally symmetric.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, www.math.washington.edu, follow the link **Seminars, Colloquia, and Conferences**).

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