

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

FRIDAY, DECEMBER 13, 2013

PADELDFORD C-401

2:30PM–3:30PM

Degenerations of Calabi-Yau metrics under extremal  
transitions and flops

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We will discuss degenerations of Calabi-Yau metrics under algebraic geometric surgeries: extremal transitions or flops. We will prove a version of Candelas and de la Ossa's conjecture: Ricci-flat Calabi-Yau manifolds related via extremal transitions and flops can be connected by a path consisting of continuous families of Ricci-flat Calabi-Yau manifolds and a compact metric space in the Gromov-CHausdorff topology. This is joint work with Yuguang Zhang.

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

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