

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, SEPTEMBER 26, 2012

PADELDFORD C-36

3:50PM–5PM

On the complete solutions of Monge-Ampere equations

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In this talk I shall first recall the classical Jorgens-Calabi-Pogorelov theorem about parabolic affine hyperspheres and its proof. In the second part, I shall give a generalization of J-C-P theorem (jointed with Prof. A.-M. Li, 2009), which is linked to Kahler Ricci flat graph. In the last, I will show a bernstein type resut on Monge-Ampere equation  $\det(f_{ij}) = \exp a_i f_i + b_i x_i + c$ , where  $a_i, b_i$  and  $c$  are constants, which reveals the rigidity of translating solitons of mean curvature flow in  $R_n^{2n}$  (jointed with R.L. Huang, 2011).

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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