

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, MAY 22, 2013

PADELDFORD C-36

3:50PM–5PM

Bernstein problems of relative extremal hypersurfaces

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About complete affine maximal surfaces, there are two conjectures raised by Chern and Calabi resp., which are called affine Bernstein problems in the Blaschke geometry. Blaschke geometry is a special relative geometry. In this talk I will introduce the relative hypersurface theory, and examples of relative geometry. In the end, I will survey some Bernstein properties of relative extremal hypersurfaces and some open problems.

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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