DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, JUNE 11
PADELFORD C401
3:45 PM

Minimal Surfaces in Singular Spaces

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Recently the study of singular spaces with curvature bound(s) in the sense of Alexandrov has drawn great interest. We will discuss some properties of the Plateau solution in spaces with an upper curvature bound. In particular, we show that the curvature of an area minimizing surface is less than or equal to that of the ambient space generalizing a well known fact about minimal surfaces in Riemannian manifolds. As an application of this, we can show the existence of isothermal coordinates in Alexandrov surfaces of non-positive curvature.

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

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