

DIFFERENTIAL GEOMETRY/PDE SEMINAR

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PADELDFORD C-36

4–5PM

Two ways to find holomorphic curves in Kähler surfaces

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Let M be a Kähler surface and Σ be a closed real surface smoothly immersed in M . Let α be the Kähler angle of Σ in M . If $\cos \alpha > 0$, we say Σ is a symplectic surface. We study the problem “*whether there is a holomorphic curve in the homotopy class of a symplectic surface*”. In the talk we will present two approaches to the problem, one is the mean curvature flow method, another one is the variational approach.

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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