

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, NOVEMBER 12, 2008

PADELORD C-36

3:45–5PM

Willmore flow for Lipschitz graphs

Tobias Lamm

(UBC)

In this talk we introduce the Willmore flow of entire graphs in \mathbb{R}^2 and we show the existence of a unique global solution for initial data with small Lipschitz norm. Moreover we explain how this result can be used to prove the existence of self-similar solutions for the Willmore flow of graphs. This is a joint work with Herbert Koch (University of Bonn).

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**).

The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.