

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, JANUARY 18, 2006

PADEL FORD C-36

3:50-5PM

Thread-wire surfaces

Ben Stephens

(MIT)

The thread problem concerns finding surfaces spanning a fixed boundary and a flexible boundary which minimize area. I'll continue my talk of Oct 7 with a further look at existence and regularity proofs. In particular I can make stronger statements about the behavior of the normal vector at a cusp-corner. At the same time, I will correct a statement I made about crescent coalitions. If you are interested in experiments I did which started this project, please see the videos at <http://www.bkstephens.net>.

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.