Thread-wire surfaces

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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).

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