Mathematics, Statistics, and Computer Science   **@ UIC**

Analysis and Applied Mathematics Seminar

Boundary Control of the Ericksen-Leslie System in Dimension Two

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Abstract: In this talk, I will first discuss the initial-boundary value problem of the Ericksen-Leslie system for time-dependent boundary data of the nematic liquid crystal director field. I will present some result on the global existence in dimension two. Then I will describe an application to the optimal boundary control for such a system in dimension two.

Monday, April 30 at 4:00 PM in SEO 636