Analytic functions, harmonic functions, and minimal surfaces

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Complex-valued harmonic mappings can be regarded as generalizations of analytic functions and are related to minimal surfaces which are beautiful geometric shapes with intriguing properties. In this talk we will provide background material about these harmonic mappings, discuss the relationship between them and minimal surfaces, present some new results, and pose a few open problems.

Undergraduate and graduate students are most welcome to come to the talk.

Time: Monday, 02/23/2015, 3:00-3:50pm
Location: ILC 303
Refreshments: at 2:40pm in MB 226