GEOMETRIC ANALYSIS SEMINAR

"Remarks about the algebraicization program in geometric topology."

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Abstract: Immersion theory, cobordism theory, and surgery theory are three examples of how problems in geometric topology get solved (at least in high dimensions) by means of algebra. When this happens, a lot of the geometry seems to get lost. I will try to probe this by studying how complicated solutions to these problems are and mention some problems that still seem out of reach.

(Based on joint work with Nabutovsky, Ferry, Chambers, Dotterer, and Manin.)

Wednesday, February 6th, 2018
MIT, Room 2-131
Time: 4:00 PM

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