

GEOMETRIC ANALYSIS SEMINAR

“Free Boundary Regularity for Almost-Minimizers”

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Abstract: We examine the free boundary of almost-minimizers to the Alt-Caffarelli functional. Almost-minimizers do not satisfy an equation, so we need different methods to handle their regularity. The key idea is to approximate the almost-minimizers by harmonic functions and then to use estimates from harmonic analysis and geometric measure theory to control the behavior of these harmonic functions. Joint work with Guy David and Tatiana Toro.

Wednesday, April 19th, 2017
MIT, Room 2-131
Time: 4:00PM

