



Mês de: Julho 2010

SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 14 de Julho (quarta-feira), às 11h, na Sala B3-01

“On porosity of free boundaries in A-obstacle problems”

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Abstract:

The solution of the obstacle problem in the degenerate and singular cases is known to be $C^{1,\alpha}$, but there is only a little information regarding to the free boundary. For an identically zero obstacle it has recently been proved that the free boundary is porous and hence of Lebesgue's measure zero.

We are going to talk about what have already been done on this issue and discuss some open problems and generalizations of the results as well.

Parcialmente suportado pela FCT ao abrigo do Financiamento Base

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