Mês de: Outubro 2009

SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 29 de Outubro (quinta-feira), às 14h15, na Sala B3-01

"On some obstacle problems in Orlicz-Sobolev spaces"

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Abstract:

We prove the Lewy-Stampacchia inequalities for the two-obstacles problem in general form. Then we give an application of that inequalities. In particular, we consider the two-obstacles problem for $p(x)$-Laplacian type operators in generalized Orlicz-Sobolev spaces.

We extend the Lewy-Stampacchia inequalities for the N-membranes problem in this general framework and give also some regularity remarks. The stability of the coincidence sets also will be discussed.

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