



Mês de: Junho 2011

SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 21 de Junho (terça-feira), às 13h30, na Sala A2-25

“Homogenisation of monotone operators satisfying
coerciveness and boundedness condition with variable
exponent”

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Abstract:

We study strongly nonhomogeneous monotone operators with variable nonlinearity exponent highly oscillating as a small parameter tends to zero.

The operators are considered in appropriate Sobolev spaces of variable order. We find the limit operator which is homogeneous not depending of spatial variable, but considered in Orlicz-Sobolev space related to some convex function not of power type.

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