



Mês de: ABRIL 2012

**SEMINÁRIO DE ANÁLISE E EQUAÇÕES
DIFERENCIAIS**

Dia 20 de Abril (sexta-feira), às 14h15, na Sala B3-01

Positive solutions of perturbed Hammerstein integral equations

Gennaro Infante

(Università della Calabria)

Abstract:

We discuss the existence of positive solutions of some perturbed Hammerstein integral equations by means of classical fixed point index theory.

We apply our results to some nonlocal BVPs that arise in some heat flow problems to prove the existence of multiple positive solutions under suitable conditions.

We also illustrate how this approach might be applied to different problems.

Local:
**INSTITUTO PARA A INVESTIGAÇÃO
INTERDISCIPLINAR**
Av. Prof. Gama Pinto, 2
1649-003 Lisboa

