

**Mês de: JANEIRO 2015**

**SEMINÁRIO DE ANÁLISE E EQUAÇÕES  
DIFERENCIAIS**

**Dia 15 de Janeiro (quinta-feira), às 13:30h, na Sala B3-01**

On higher order nonlinear impulsive boundary value problems

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**Abstract:**

This talk concerns to some three point impulsive boundary value problems composed by a fully differential equation, which higher order contains an increasing homeomorphism, by three point boundary conditions and impulsive effects.

We point out that the impulsive functions are given via multivariate generalized functions, including impulses on the referred homeomorphism.

The method used apply lower and upper solutions technique together with fixed point theory. Therefore we have not only the existence of solutions but also the localization and qualitative data on their behavior. Moreover a Nagumo condition will play a key role in the arguments.