

# SEMINÁRIO

3 de Abril de 2009

(Departamento de Matemática, sala Sousa Pinto, 11:30-12:30)

**Título:** On Constrained Impulsive Control Problems: Controlling System Jumps.

**Orador:** D.Yu. Karamzin (a joint work A.V. Arutyunov with and F.L. Pereira), Universidade do Porto.

**Abstract:** This talk is about constrained impulsive control problems in which we propose a new mathematical concept of control required for impulsive context. These controls that we consider may arise in engineering, in particular, in problems of space navigation. Necessary conditions of extremum in the form of the Pontryagin's Maximum Principle are studied.

## Ciclo de Seminários CEOC