

# SEMINÁRIO

28 de Novembro de 2008

(Departamento de Matemática, sala Sousa Pinto, 11:00-12:00)

**Título:** Necessary optimality conditions and implicit function theorem: nonlinearized problems.

**Orador:** ARAM ARUTYUNOV, Peoples Friendship University of Russia, Moscow (arutun@orc.ru).

**Resumo:** The talk consists of two parts. The first part is devoted to the abstract minimization problem with constraints, which is called the mathematical programming problem. In the second part we discuss local properties of smooth nonlinear mappings in a neighborhood of an abnormal point. The problems that are studied in this talk (of course, in addition to their extremal nature) are united by the fact that we are mainly interested in studying the so-called abnormal or nonlinearized problems. .

## Ciclo de Seminários CEOC