

The 2nd Combinatorics Day

Saturday, 17th of March of 2012

DMUC, room 2.5

Abstracts

15:00-16:00 **João Gouveia** (CMUC, UC):

Sums of Squares in Combinatorial Optimization

Abstract: In the last decade, the development of semidefinite programming led to a renewed interest in the study of sums of squares of real polynomials, and their application in optimization. In this talk we will explore the combinatorial optimization side of these developments, providing background and examples, and exploring this interplay between optimization, real algebraic geometry and graph theory.