



Wednesday, February 15, 2012.

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Factorization of bivariate and multivariate trigonometric polynomials

Abstract:

An important problem in mathematics is how to write a positive polynomial as a sum of squares of polynomials or rational functions. The simplest case is the Fejer-Riesz Lemma which shows how to write a trigonometric polynomial of a certain degree in one variable as the magnitude square of an algebraic polynomial of the same degree. I will review some applications of this result as well as discuss some recent extensions.

Univ. Carlos III de Madrid



Default Data

Time 10:45 to 11:45
Location Room 2.2.D08
Building Sabatini (2nd Floor)

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