SEMINARI D'ANÀLISI UAB-UB **Curs 2012–2013**

Dilluns 4 de febrer del 2013, 15:00h

Aula T2 (UB).

Wronskians and deep zeros of analytic functions.

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ABSTRACT:

Let X be a finite-dimensional subspace of $H(G)$, the space of holomorphic functions on a planar domain G. Then there is a discrete subset $S = S(X)$ of G that contains every "deep" zero of every nontrivial function in X. (Here, "deep" should be understood as having multiplicity greater than or equal to the dimension of X.) We elaborate on this by studying similar phenomena, but with more sophisticated boundary smallness conditions playing the role of deep zeros.