



Colloquium del Departamento de Análisis Matemático

Antonio M. Peralta

Universidad de Granada

**“Power series expansions for holomorphic
functions between C^* -algebras”**

Jueves, 10 de Abril de 2014
a las 13:00 horas en el seminario 222

Abstract:

The aim of this talk is to present some new results which guarantee that, under the additional hypothesis of being *orthogonality preserving*, every *orthogonally additive* holomorphic function between C^* -algebras, whose image contains an invertible element, can be written, up to a Jordan $*$ -homomorphism, as a proper power series without need to appeal to a factorization through a non-commutative L_1 -space. In the setting of unital and commutative C^* -algebras (i.e. $C(K)$ -spaces), the conclusions are even stronger.

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