



## Conferencia

por

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título

“Volume gradients and homology in towers of  
residually-free groups”

**Abstract:**

I will present the results from the joint work with Martin Bridson, arXiv:1309.1877. One of the main results is the calculation of the  $l_2$ -Betti numbers in dimension  $\leq m-1$  of all residually free groups of type  $FP_m$ , using Luck's approximation theorem. If the time permits I will discuss some new corollaries of the techniques introduced in the above preprint.

**Fecha:** Viernes, 10 de abril de 2015  
**Hora:** 12:00 horas  
**Lugar:** Seminario de Álgebra, Edificio de Matemáticas, 2ª planta