

Mohan Ravichandran, University of New Hampshire.

Title: The Laplacian masa in a free group factor is Maximal Injective

Abstract: The Laplacian(radial) Masa in LF_N is generated by the sum of all words of length one. It is known that this masa is strongly singular and has Pukhanzsky invariant $\{\infty\}$. In this talk, we show that the masa is maximal injective in LF_N . The proof uses an orthonormal basis for $l^2(F_N)$ discovered by Radulescu and builds upon ultrapower techniques developed by Popa.

Notes - Joint with Junsheng Fang(Texas A&M), Stuart White(University of Glasgow).