

Probabilistic Operator Algebra seminar

Organizer: Dan-Virgil Voiculescu

Monday, 9:00–10:30 am, to attend via Zoom email David Jekel (daj@math.ku.dk) remote

Apr 6 **David Gao**, UCSD

Non-isomorphism of reduced free group C^ -algebras, via non- K -theoretic methods.*

Using a new, non- K -theoretic approach involving embedding spaces in II_1 factors with plenty of freely independent Haar unitaries, we prove that the reduced free group C^* -algebras for different numbers of free generators are pairwise non-isomorphic. This recovers the seminal result of Pimsner and Voiculescu with a short new proof. This talk is based on joint work with Srivatsav Kunnawalkam Elayavalli.