

On some properties of the unitary dual group

Monday October 19 – 16h10-16h55

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If quantum groups - for instance the free unitary quantum group - are well known, it is not so with dual groups as introduced by Voiculescu in the 80s. We will recall the definition of these objects and we will study some properties of the unitary dual group, such as the construction of a Brownian motion and the existence of a Haar state.