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Free infinite divisibility – an overview

The theory of infinite divisibility in free probability was founded in the early 1990's in groundbreaking work by Voiculescu, Maassen and Bercovici-Voiculescu. In this talk I will give an overview of the theory of free infinite divisibility with focus on similarities and differences between the free and the classical theories. In particular I will address more recent results concerning the questions of infinite divisibility and selfdecomposability for various prominent classes of probability measures.