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Title: "Embeddability of infinitely divisible measures on Lie groups".

Abstract : We will discuss the embedding problem of the infinitely divisible measures on (Lie) groups. There is a long standing conjecture attributed to K. R. Parthasarathy that all infinitely divisible measures on connected Lie groups are embeddable. We will start with a survey of known results and then discuss the latest result on the embedding problem (proven jointly with S. G. Dani and Y. Guivarc'h) using concentration functions of measures, Fourier analysis and the structure theory of connected Lie groups.