Higher variations for free Levy processes

Michael Anshelevich [*]

manshel@math.tamu.edu

Starting with a free Levy process with general (not necessarily bounded) increments, we will discuss the existence of its higher variation processes, as limits in distribution and in probability. Time permitting, several open questions will also be considered.

This work is joint with Zhichao Wang.

[*]Department of Mathematics, Texas A&M University, College Station, TX 77843-3368, USA