

Global L^q Gevrey spaces.

Prof. Dr. Gustavo Hoepfner
UFSCar

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RESUMO

In this talk, I will discuss ongoing joint work with Ziad Adwan and Andrew Raich. I will introduce a class of functions that arose in the work of Boggess and Raich when estimating the ∂_b -heat kernel on polynomial models. This class of functions captures the quantitative estimates on the Fourier transform needed to characterize exponential decay. I will discuss properties of these functions, give examples, and explore other applications.