

# Large-time Dynamics of Classical and Quantum Systems

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Title: Multifractal analysis of decoupled measures: what we know so far

Abstract: I will present some ongoing work with Vojkan Jakšić and Renaud Raquépas about multifractal analysis of decoupled measures. Our focus is on determining the fractal dimension of level sets for certain observables on shift spaces. I will introduce the necessary definitions and describe how Large Deviation results can be leveraged to compute the dimension of these level sets. If time permits, I will outline some challenges that remain in our approach.