## CONSTRUCTION OF PROBABILISTIC GLOBAL FLOWS FOR ENERGY-SUPERCRITICAL PDES

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To establish a global flow in a low regularity space, the theory of Gibbs measures was developed in the context of various equations. In particular, an invariant Gibbs measure can be seen as an object providing a low regularity conservation law, allowing to globalize a local theory for a typical set of data. In parallel with Gibbs measures, the fluctuation-dissipation method can be employed to deal with the same questions. Due to the regularization inherent to this method, invariant measures can be constructed on spaces of higher regularity. However, both these methods come across high difficulties when applied to energy supercritical equations. In this talk, we present a way to combine them in order to treat such equations. We apply the method to the septic Schrdinger equation and we will discuss the case of 3D Euler equations.