

Static Patch Holography & RG Flows of SYK

Tuesday 18 April 2023 10:00 (1 hour)

In two dimensions, the static patch of de Sitter can be accessed by observers sitting at the boundary of an AdS spacetime. This idea suggests that certain RG flows in the dual quantum mechanical theory should capture effects of quantum de Sitter space.

In this talk, I will explore tractable RG flows in the SYK model and discuss their implications to describe static patch physics at a microscopic level. These include open quantum systems and possible emergence of unitarity in the large- N limit.

Author: GALANTE, Damián (King's College London)

Presenter: GALANTE, Damián (King's College London)