

# The gravitational dual of double-scaled SYK

*Monday 3 June 2024 15:00 (30 minutes)*

I will derive and discuss a new holographic duality between a double-scaling limit of the SYK model and a simple theory of quantum gravity in two dimensions. The gravitational theory in question is a model of dilaton gravity with a sine potential. Besides from deriving this duality, I will focus on certain aspects which may be surprising as compared to other examples of holography dualities, such as the distinction between temperature and fake temperature.

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