



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

A Three Dimensional View of the SYK Model

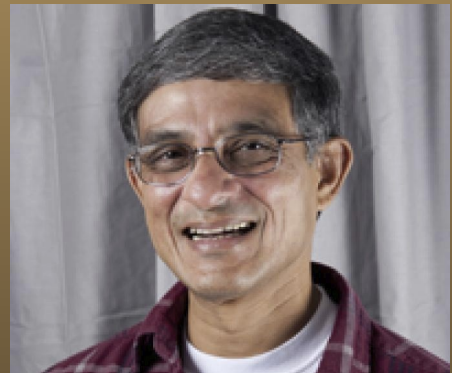
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Date: May 29, 2017

Time: 11.30 am

Venue: A-304, TIFR



(Duration and Location are subject to irreducible jitter)

We argue that the SYK model can be interpreted as a three dimensional scalar in $AdS_2 \times S^2/Z_2$. At strong coupling the KK spectrum reproduces the SYK spectrum exactly, and a non-standard propagator of the 3D theory reproduces the two point function of the bilocal fields. Furthermore, this three dimensional picture reproduces the leading finite coupling correction to the "zero mode" contribution.