

Seminar: Gravity Dual of Quantum Information Metric

Friday, 30 October 2015 10:30 (1 hour)

We study a quantum information metric (or fidelity susceptibility) in conformal field theories with respect to a small perturbation by a primary operator. We argue that its gravity dual is approximately given by a volume of maximal time slice in an AdS spacetime when the perturbation is exactly marginal. We confirm our claim in several examples.

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