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Entanglement Entropy and Boundary Terms: Two Short Stories

Tuesday, 14 April 2015 09:40 (40 minutes)

Conformal transformations to hyperbolic space are a useful tool for calculating entanglement entropies in conformal field theories. I will use this tool to calculate thermal corrections to entanglement entropy for conformal field theories on spheres. I will also consider the universal log contribution to the entanglement entropy for CFTs in even dimensional flat space. In both cases, we will see the crucial role played by boundary terms.

Presenter: HERZOG, Christopher

Session Classification: Morning session