

Shape dependence of holographic Rényi entropy in arbitrary dimensions

Introduce:

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Interviene:

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Abstract:

The computation of the Rényi entropies in a QFT can be performed in principle using the replica trick, which amounts to the insertion of a co-dimension two twist operator in the path-integral. In a conformal field theory in the vacuum state, the effect of small shape deformations around a spherical or flat entangling surface is encoded in a piece of CFT data associated to this defect. A method to extract this quantity holographically is described.

Seminario

Giovedì 23 giugno 2016

Aula 7, ore 11.00

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