

Holographic QFTs on AdS_d, wormholes and holographic interfaces

Wednesday, January 17, 2024 9:30 AM (1 hour)

We consider three related topics: a) holographic quantum field theories on AdS spaces; b) Holographic interfaces of flat space QFTs; c) Wormholes connecting generically different QFTs.

We investigate how the related classical solutions explore the space of QFTs and we construct the general solutions that interpolate between the same or different CFTs with arbitrary couplings. The solution space contains many exotic RG flow solutions that realize unusual asymptotics, as boundaries of different regions in the space of solutions. Unusual limits also appear where the number of boundaries changes. We also investigate confining holographic theories on AdS.

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