



Contribution ID: 21

Type: Long talk (20 mins)

Wilson loops for 5d and 3d conformal linear quivers

Friday, 16 December 2022 09:10 (30 minutes)

The study of supersymmetric and conformal field theories in diverse dimensions and classification of Type II or M-theory backgrounds with AdS_{d+1} factors as their holographic duals in d dimensions is of substantial interest. In this talk, we focus on the case of conformal and supersymmetric linear quiver field theories in three and five dimensions preserving eight Poincare supercharges. We are mainly interested in Wilson loops as they can be computed exactly in SUSY gauge theories. Within the electrostatic formulation of holographic duals to conformal balanced quivers in five and three dimensions, we mention the expressions for Wilson loops in antisymmetric representations. In the case of three-dimensional quivers, we present a relation between Wilson loops in an 'electric' and the 'magnetic/mirror' descriptions.

This talk is based on arXiv:2209.07536

Type of presentation

20 minute talk

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Holography

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Session Classification: Full Length Talks