

Strong-coupling results in $N=2$ superconformal gauge theories

Wednesday, 27 September 2023 17:00 (20 minutes)

In this talk I will discuss recent developments in the study of 3-point functions of chiral single-trace scalar operators in four-dimensional $N=2$ superconformal gauge theories. Using supersymmetric localization, it is possible to map the computation of these correlators to an interacting matrix model and obtain expressions that are valid for any value of the 't Hooft coupling in the planar limit of the theory. In particular, I will focus on the strong-coupling regime, where these expressions allow us to compute the leading and subleading orders of the 3-point functions in an analytic way.

Primary author: VALLARINO, Paolo

Presenter: VALLARINO, Paolo

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