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Spinning correlators in N = 2 SCFTs: Superspace and AdS amplitudes

Wednesday 28 September 2022 16:20 (20 minutes)

We study four-point functions of spinning operators in the flavor current multiplet in four dimensional N = 2 SCFTs, using superspace techniques. In particular we explicitly construct the differential operators relating the different components of the super-correlator. As a byproduct of our analysis, we report the computation of the four-point amplitudes of gluons in bosonic Yang-Mills theories on AdS_5 and we give evidence of an AdS double copy relation between the gluon amplitude and its gravitational counterpart.

Summary

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