

Contribution ID: 251

Type: not specified

Hexagonalization of Wilson Loops

Thursday 29 September 2022 15:40 (20 minutes)

The "hexagonalization" procedure arose in the context of integrability in the AdS/CFT correspondence, in order to compute correlation functions in planar N = 4 SYM. This approach, formalized by Basso, Vieira and Komatsu in 2015 is based upon a cutting procedure of the closed string worldsheet that permits to obtain two building blocks that can be "bootstrapped" using the power of the underlying integrable structure. After an introduction, I will review how we can suitably modify the hexagonalization in order to compute correlation functions on non trivial background such as a Wilson loop and the possible links with other well-known integrability techniques.

Summary

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Track Classification: Strings & Mathematical Physics