Contribution ID: **138**   Type: **not specified**

Correlators from unitarity in 1D CFT

Tuesday 21 September 2021 11:45 (15 minutes)

In this brief talk I will show how to compute the CFT data and the four-point function in 1D CFTs from unitarity. First I will review the OPE inversion formula, which allows to recover the spectrum and OPE coefficients from the double discontinuity of a Regge bounded four-point function. Then I will explain how to use it to find the CFT data in a perturbative expansion around Generalized Free Field theory. In particular, I will focus on the computation of the contact diagram in theory up to one loop.

Do you wish to attend the workshop on-site?

no

Summary

Author: BONOMI, Davide (London City College)

Presenter: BONOMI, Davide (London City College)

Session Classification: Parallel Sessions: String & Mathematical Physics

Track Classification: Strings & Mathematical Physics