



## **ICTS String Seminar (Online)**

**Title** : Bootstrapping closed string field theory

**Speaker** : Atakan Hilmi Farat (MIT)

**Date** : Wednesday, 5<sup>th</sup> April 2023

**Time** : 04:30 pm (IST)

**Abstract** : Closed string field theory is a second-quantized formalism for string theory. It demands a choice of string vertices that involve solving certain geometrical structures on Riemann surfaces and their moduli spaces. In this talk, I demonstrate that determining hyperbolic string vertices of Costello-Zwiebach is a conformal bootstrap problem in the context of Liouville theory. The consequences are explored. Based on 2302.12843

**Venue** : Please click the below link to join the seminar.

<https://icts-res-in.zoom.us/j/88591208479?pwd=VnRXYmFOa0UxMzVHVGlzMkxrU3B5dz09>

Meeting ID: 885 9120 8479

Passcode: 109576