

Resurgence in CFT2 - Minimal models and beyond?

Monday, 23 September 2024 15:00 (25 minutes)

Following the example of previous work by Benjamin et al. and Kaplan et al., we look at the large charge expansion of the identity block in CFT2. The motivation is clear in AdS/CFT: to look for black holes in the graviton expansion! We start by exhausting the resurgence analysis of four-point function of the (2,1) degenerate fields at finite cross-ratio z . We see that Stokes phenomena in the asymptotic series in large c are controlled by the cross-ratio z , and that the Stokes jumps reveal the other block in the OPE. Time permitting, I'll discuss future directions and on going explorations.

Presenter: REIS, Tomas