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Correlators in higher spin AdS_3 holography with loop corrections (Takahiro Uetoko, Ritsumeikan Univ., Japan)

Thursday, 5 April 2018 15:00 (30 minutes)

We study the correlators of 2d W_N minimal models and quantum effects in the dual gravity theory. From boundary viewpoint, we develop a new method to compute three point functions with two scalar operators and a higher spin current and obtain new results at the next non-trivial order in 1/N expansion [arXiv : 1708.02017]. From bulk viewpoint, we propose new regularization prescription with the symmetry of dual CFT by utilization open Wilson lines and obtain two point functions of scalar operator up to two loop order [arXiv : 1708.08657]. I will explain these methods and results.

Summary