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ABJM theory and defect RG flows

Wednesday, 25 September 2024 11:50 (25 minutes)

I will talk about defect renormalization group flows recently found in ABJM theory. In such a setting, we find RG flow trajectories that may or may not preserve some subset of the original N=6 supersymmetry. The beta-functions have a large spectrum of fixed points representing superconformal defects that provide a rich arena to study quantum effects in 2+1 dimensional theories. In this context we study universal information about ABJM, such as the Bremsstrahlung function, and the effect of framing on the defect vacuum expectation value.

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