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Holography of new 3d conformal higher spin theories for low spins

Friday, 12 July 2024 17:30 (15 minutes)

We study asymptotic symmetries for 3d Chern-Simons theory as a gauge theory of so(3,2), sl_4 and sl_5 algebras. For the near horizon boundary conditions we present solutions from several projectors from Chern-Simons to the metric formulation. These solutions are generalized BTZ solutions for our theories. We also study the classification according to so(3,2) one parameter subgroups and classify obtained solutions.

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