

# Probabilistic conformal block and its semi-classical limit

*Wednesday, May 25, 2022 3:15 PM (45 minutes)*

Conformal blocks are fundamental objects in the conformal bootstrap program of 2D conformal field theory and are closely related to four dimensional super-symmetric (SUSY) gauge theory via Alday-Gaiotto-Tachikawa (AGT) correspondence.

In this talk, I will demonstrate a probabilistic construction of 1-point torus conformal block and discuss its semi-classical limit. This talk will be based on two separate works. The first one with Guillaume Remy, Xin Sun and Yi Sun and the second one with Harini Desiraju and Andrei Prokhorov.

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