Contribution ID: **19** Type: **not specified**

AGT in algebraic geometry

Thursday 25 January 2024 10:30 (1 hour)

The Alday-Gaiotto-Tachikawa correspondence between conformal field theory and 4D gauge theory has a very interesting incarnation in geometric representation theory. Here the objects on the two sides of the correspondence are W-algebras of type gl_r and moduli spaces of rank r sheaves on algebraic surfaces. We prove a q-deformed version of the correspondence, which reveals some higher (more precisely, categorified) structures at play.

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