

Geometric interpretations for conformal blocks at stable curves

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I'll discuss ongoing work with Prakash Belkale, in which we consider the problem of finite generation of the section ring $(\text{Bun}_G(X), D_G(X))$, where $D_G(X)$ is the determinant of cohomology line bundle on the moduli stack of principal G -bundles on a stable curve X . I'll focus mainly on how this relates to geometric realizations of conformal blocks for singular curves in the case $G = \text{SL}(r)$.

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