

Algebraic Geometry Seminar

Vector partition functions for conformal blocks

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Abstract: A vector partition function is a function that counts the number of lattice points in a polytope defined by the function's arguments. It is conjectured that the ranks of vector bundles of conformal blocks on the moduli space of curves and the intersection numbers of their first Chern classes with F-curves are given by vector partition functions. I will discuss consequences of these conjectures and progress toward proving them.

Wednesday, November 4 at 4:00 PM in SEO 427