

ADE quiver bundles on a curve

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Abstract:

This is work in progress with H. Lee and T. Logvinenko. According to Diaconescu's work, the moduli of stable ADHM quiver bundles on a smooth projective curve X is naturally isomorphic to the moduli of stable pairs on $\mathbf{C}^2 \times X$. We extend this with Γ -action on \mathbf{C}^2 , where Γ is a finite subgroup of $SL_2(\mathbf{C})$. Namely, using McKay correspondence we relate stable ADE quiver bundles to “perverse stable pairs” on $\Gamma\text{-Hilb}(\mathbf{C}^2) \times X$.