Representations of the enhanced ADHM Quiver and Nested Hilbert Schemes

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Abstract: We intend to generalize some results showed by Nakajima in [8]. There, Nakajima gives a linear algebraic description of the Hilbert scheme of points in $\mathbb{C}^2$ and establishes an isomorphism between this Hilbert scheme and the moduli space of framed representations of the ADHM quiver. In our work, we want to find similar relation between the nested Hilbert scheme and framed representations of the so-called enhanced ADHM quiver.

References


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