TENSOR PRODUCTS OF QUIVER BUNDLES

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ABSTRACT. In this work we introduce a notion of tensor product of (twisted) quiver representations with relations in the category of O_X-modules. As a first application of our notion, we see that tensor products of polystable quiver bundles are polystable and later we use this to both deduce a quiver version of the Segre embedding and to identify distinguished closed subschemes of $GL(n, \mathbb{C})$-character varieties of free abelian groups.

Keywords: quivers, quiver bundles, tensor products, vector bundles.

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