



Mathematics and CS Seminar

Virtual Classes of Representation Varieties of Upper Triangular Matrices via Topological Quantum Field Theories

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Let X be an oriented closed connected surface. The set of group representations from the fundamental group of X to an algebraic group G has a structure of an algebraic variety. This variety is called the G -representation variety of X . In this talk, I will use a geometric method developed by González-Prieto, Logares, Muñoz, and Newstead to compute the virtual classes of G -representation varieties where G is the group of complex upper-triangular matrices of rank 2, 3, or 4. This is joint work with Jesse Vogel.

Thursday, October 15, 2020 02:00pm - 04:00pm

<https://mathseminars.org/seminar/AGNTISTA>



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