

Jeffrey-Kirwan Localization for Quiver Varieties

mercredi 27 avril 2022 17:30 (1 heure)

In this talk, I will present an ongoing project on Jeffrey-Kirwan localization in the theory of quiver moduli spaces. In order to motivate the interest in this topic, in the first part of the talk I will recall the content of a previous joint work with Jacopo Stoppa (SISSA). Given a complete bipartite quiver, there is a natural way to construct a log Calabi-Yau surface. We show how the Gross-Hacking-Keel mirror to this, which is known to encode both Gromov-Witten and quiver invariants, can be computed also in terms of residues of meromorphic forms, by using a formula of Szenes and Vergne. The main focus of the seminar will be on this formula and on its derivation from a localization procedure for Hamiltonian actions on symplectic manifolds due to Jeffrey and Kirwan.

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