ID de Contribution: 8

P=W phenomena on abelian varieties

mardi 28 février 2023 18:00 (1 heure)

Let X be a complex abelian variety. In this talk we will explain and prove an analogue of both the (cohomological) P=W conjecture and the geometric P=W conjecture relating the topology of the Dolbeault moduli space of topologically trivial semistable Higgs bundles on X and the Betti moduli space of characters of the fundamental group of X. The geometric heart of our approach is a new kind of Hitchin fibration for Dolbeault moduli spaces on abelian varieties whose target is not an affine space of pluricanonical sections, but a suitable symmetric product. This is based on ongoing joint work with B. Bolognese and A. Küronya

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