Institut de Mathématiques de Bourgogne

CNRS U.M.R. 5584

Université de Bourgogne

Séminaire de mathématique physique

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Singular unitarity in “Quantization commutes with reduction”

Résumé : Let M be a connected compact quantizable Kähler manifold equipped with a Hamiltonian action of a connected compact Lie group G. Let $M//G = M_0$ be the symplectic quotient at value 0 of the moment map. It is known that, as vector spaces, there is a natural isomorphism between the quantum Hilbert space over M_0 and the G-invariant subspace of the quantum Hilbert space over M. We will discuss the relation of the inner products between the two quantum Hilbert spaces.

Jeudi 1er octobre à 16h15 — salle A318, 3ème étage