

Geometric Quantization of General Kähler Manifolds

lundi 16 septembre 2024 11:30 (1 heure)

We will consider Geometric Quantization on general Kähler phase spaces and propose a program for compatible constructions of the quantization of functions, the Hilbert space structure, and the dependence on the choice of the Kähler structure (generalized Hitchin connection), fixing only the underlying symplectic manifold and a prequantum line bundle. We will in particular see explicitly how the curvature of the phase space modifies the quantization.

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