

Quantizations of Complex Lagrangian Fibrations, Normal Forms, and Spectra

lundi 25 avril 2022 15:30 (1 heure)

Under certain conditions, it is possible to compute the spectrum of a polynomial differential operator via its Birkhoff normal form. In this talk, I will explain a geometric approach for obtaining the Birkhoff normal form of a quantized Hamiltonian using the variation of Hodge structure for a formal deformation of a complex Lagrangian fibration. This is joint work in progress with Maxim Kontsevich.

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