Announcement

Seminar on Deformation Quantization and Geometry

7. 6. 2024 at 13:30

Seminarroom 31.00.018

PING XU (PENN STATE UNIVERSITY)

BV_∞ quantization of (-1)-shifted derived Poisson manifolds

In this talk, we will give an overview of (-1)-shifted derived Poisson manifolds in the C^∞-context, and discuss the quantization problem. We describe the obstruction theory and prove that the linear (-1)-shifted derived Poisson manifold associated to any L_∞-algebroid admits a canonical BV_∞ quantization. This is a joint work with Kai Behrend and Matt Peddie.

Invited by Madeleine Jotz