Announcement

Seminar on Deformation Quantization

29. 10. 2021 at 2pm CEST

Hybrid Seminar in SE 30 and

`https://uni-wuerzburg.zoom.us/j/92529190594?pwd=WkJvR1o1QUdldUNSSjFJbHB4c0Z0dz09`

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About quantization and symplectic groupoids

In this talk, we will review some recent topics relating quantization of Poisson manifolds and (local) symplectic groupoids. In particular, focusing on the case of a Poisson structure on a coordinate domain, we will explain how analytic Lie-theoretic formulas are related to a ("tree level") part of Kontsevich's star product formula after a suitable Taylor expansion. We will also comment on the relation to the Poisson Sigma Model through a system of PDEs that captures its semiclassical contributions. If time permits, we will also briefly comment on how the integrability into a global symplectic groupoid is reflected on quantizations.

Invited by Stefan Waldmann