

Announcement

Seminar on Deformation Quantization

9. 12. 2022 at 2pm CEST/CET

Hybrid Seminar in SE 30 and

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

MARVIN DIPPELL (JMU WÜRZBURG)

Constraint Reduction in Algebra, Geometry and Deformation Quantization II

In this second talk we will study the deformation theory of constraint algebras. For this I will introduce constraint differential graded Lie algebras, their Maurer-Cartan elements and gauge groups. We can then apply these results to a constraint version of the Hochschild complex, which will be seen to control the deformation problem of constraint algebras. I will present some first results towards a constraint Hochschild-Kostant-Rosenberg Theorem, and in particular compute the second constraint Hochschild cohomology in the case of \mathbb{R}^n .

Invited by Stefan Waldmann