Im Oberseminar

Deformationsquantisierung

spricht am **1. 7. 2016 um 14 Uhr c.t.,**

im Seminarraum 00.009 (Physik Ost)

Jonas Schnitzer

über das Thema:

An Universal Construction of Universal Deformation Formulas and Drinfel'd Twists

Given an associative Algebra $\mathcal{A}$ with a Poisson bracket induced by a r-matrix, we want to understand quantisations of this bracket. It turns out, that we can use the well-known Fedosov construction, in a slightly modified way, to give a formula for such a quantisation. On the other hand, we can construct a Drinfel'd twist with the same method, which induces a quantisation for this algebra as well. The comparison of the two approaches shows that that the two deformations of $\mathcal{A}$ coincide.

gez. Stefan Waldmann