

Im Oberseminar

Deformationsquantisierung

spricht am **16.01.2014 um 10 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

THORSTEN REICHERT

über das Thema:

Dolgushev's formality theorem on smooth manifolds: Part 6

This series of talks will provide an in-depth presentation of Dolgushev's quasi-isomorphism

$$\mathcal{T}_{poly}(M) \longrightarrow \mathcal{D}_{poly}(M)$$

In part 6 we will use the Fedosov construction in order to extend Kontsevich's quasi-isomorphism between polyvectorfields and polydifferentialoperators on \mathbb{R}^d (and its formal closure) to a quasi-isomorphism between polyvectorfields and polydifferentialoperators on any smooth manifold. For this we will briefly introduce some important techniques, such as the spectral sequence of a double complex and the twisting procedure of a L_∞ -morphism by a Maurer-Cartan element.

gez. Stefan Waldmann