

Im Oberseminar

## Deformationsquantisierung

spricht am **28.11.2013 um 10 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

**THORSTEN REICHERT**

über das Thema:

### Dolgushev's formality theorem on smooth manifolds: Part 4

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

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

In part 4 we will continue to discuss the Fedosov-construction and related concepts in order to establish quasi-isomorphisms

$$\begin{aligned} U_T : T_{poly}(M) &\longrightarrow \Omega(M, \mathcal{T}_{poly}) \\ U_D : \mathcal{D}_{poly}(M) &\longrightarrow \Omega(M, \mathcal{D}_{poly}) \end{aligned}$$

between Polyvectorfiels (Polydifferential-operators) on a smooth manifold and the exterior forms on that manifold with values in the formal Polyvectorfiels (Polydifferential-operators) on  $\mathbb{R}^d$ .

gez. Stefan Waldmann