

Im Oberseminar

## Deformationsquantisierung

spricht am **31.10.2013 um 11 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

**THORSTEN REICHERT**

über das Thema:

Dolgushev's formality theorem on smooth manifolds: Overview

This talk will provide an overview on how Dolgushev's formality theorem extends Kontsevich's result for  $\mathbb{R}^d$  to arbitrary smooth manifolds. We will (depending on the audience) include a brief introduction to the language of DGLA's and  $L_\infty$ -morphisms as well as a motivational section on why this theorem is of great importance in the context of deformation quantization. We will then proceed to sketch the construction of the quasi-isomorphism  $T_{poly}(M) \longrightarrow \mathcal{D}_{poly}(M)$ .

gez. Stefan Waldmann