Im Oberseminar

Deformationsquantisierung

spricht am **10. 2. 2015 um 14 Uhr c.t.,**

im Seminarraum 00.009 (Physik Ost)

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über das Thema:

Fedosov Quantization and Quantum Field Theory

In the context of deformation quantization for symplectic manifolds, a very geometrical construction has been proposed by Fedosov. Karabegov and Schlichenmaier developed a variant of his method in the case of almost-Kähler manifolds. The formal analogy between this deformation quantization and the perturbative approach to quantum field theory is discussed. In the ϕ^4-interacting case, we present some results beyond the formal analogy.

gez. Stefan Waldmann