Im Oberseminar

Deformationsquantisierung

spricht am **9.1.2015um 14 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

Paul Stapor

über das Thema:

A (rather) explicit formula for the Gutt-star-product

The Gutt-star-product is the deformed product on the symmetric tensor algebra $S^\bullet(\mathfrak{g})$ for a Lie-algebra $\mathfrak{g}$ which comes from the Poincaré-Birkhoff-Witt-Theorem (or the Baker-Campbell-Hausdorff-series). We will to give a formula for a special case and try to get an idea, what this could look like in the general situation. The final aim of this attempt will be (one day), to get to know the number of terms which appear in this star product in order to get estimates on the growth.

gez. Stefan Waldmann