

Announcement

Seminar on Deformation Quantization and Geometry

6. 2. 2026 at 14:00 c.t.

Seminarroom SE 31

CHRISTOPHER RUDOLPH (JMU WÜRZBURG)

Reducing and Lifting Covariant Derivatives on Principal Fibre Bundles

This talk can be seen as the second part of a talk I have given in the last summer term. Within the framework of phase space reduction of star products by Kowalzig, Neumaier and Pflaum, we will investigate conditions under which

- the reduction of a standard ordered star product on the total space is again standard ordered.
- a standard ordered star product on the quotient space is reduction of a standard ordered one on the total space provided that both star products are invariant with respect to additional Lie group actions.

Invited by Stefan Waldmann