

Announcement

Seminar on Deformation Quantization

15. 7. 2022 at 2pm CEST

Seminar in SE 31

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Attempt of an explicit hermitian deformation of the Gutt-star-product on an
coadjoint orbit of $\mathfrak{so}(3)$

The existence of a hermitian deformation of the Gutt-star-product on a regular coadjoint orbit has been shown for the general case. The proof is constructive and the Lie-Group $SO(3)$ with its Lie-algebra $\mathfrak{so}(3)$ is a promising candidate for an example with an explicit formula for such a deformation. The aim of this representation is to discuss some ideas to achieve such a formula for this example.

Invited by Stefan Waldmann