

Seminarankündigung

Deformationsquantisierung

Am 8. 5. 2020 spricht um 14 Uhr c.t.

BBB <https://bbb.durates.net/b/ste-2va-uez>

Password on request

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Involutions in Reduction

In the quantum version of the Marsden-Weinstein reduction procedure one constructs a star product on the reduced manifold M_{red} for which the complex conjugation happens to be a $*$ -involution. To include an involution into the reduction procedure itself two different ways will be discussed in this talk. One uses techniques of BRST-algebras with involutions yielding the complex conjugation on the reduced function space if the acting Lie group is compact. The other approach uses a positive functional to induce an involution on $\mathcal{C}^\infty(M_{\text{red}})[[\lambda]]$ which in general is not the complex conjugation.

gez. Stefan Waldmann