Im Oberseminar

Deformationsquantisierung

spricht am **12.01.2018 um 14 Uhr c.t.,**

im Seminarraum 00.009 (Physik Ost)

MATTHIAS SCHÖTZ

über das Thema:

On pure states and characters of *-algebras

It is easy to see that every character (i.e. unital *-homomorphism to $\mathbb{C}$) of a commutative unital associative *-algebra is a pure state (i.e. extreme point in the convex set of all normalized algebraically positive linear functionals). In this talk I am going to discuss sufficient conditions for the converse to be true as well. In order to formulate these results together with similar ones, e.g. for locally convex *-algebras, the notion of an abstract O^*-algebra (unital associative *-algebra with an order defined by positive linear functionals) is introduced.

gez. Stefan Waldmann