

Im Oberseminar

Deformationsquantisierung

spricht am **19. 6. 2015 um 14 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

BASTIAN SEIFERT

über das Thema:

Takeuchi's Castle

Coalgebras are nice mathematical structures modelling the process of disassembling things. Important examples include the distributions, the divided power coalgebra and group-like coalgebras on sets. As for algebras it is, for physical reasons, important to have a notion of (co)representation equivalence, i.e. a Morita-like theory. In this talk we will give a short survey on coalgebras and comodules, then investigate the notion of Morita-Takeuchi equivalence of coalgebras. We will also examine the Picard group of a coalgebra, showing that it, unlike in the algebra case, always has a very nice structure.

gez. Stefan Waldmann