



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 26. November 2019

17 Uhr s.t., Geom H4

Prof. Dr. Jørgen Ellegaard Andersen
(Centre for Quantum Mathematics, Odense)

How do we quantize curved phase spaces?

Abstract:

The talk will first review Dirac's quantization conditions and the canonical quantization prescription for flat space. Following this we will start describing our solution to the quantization problem for general curved phase spaces, which admits Kähler structures. This will also involve a generalization of Hitchin's (projectively flat) connection to this general setting including a discussion of the obstruction to projectively flatness of the bundles made up of the quantum Hilbert space in general.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.