Announcement

Seminar on Deformation Quantization

3. 2. 2023 at 2pm CET

Seminarroom SE 30

Gregor Schaumann (JMU Würzburg)

Duality structures and field theory

In many mathematical areas, there are certain duality operations, for example linear duals of representation spaces, or orientation reversal of manifolds. We discuss Grothendieck-Verdier categories as a framework to describe duals. Often duals are related to Frobenius algebra structures and I try to explain its relation with (conformal) field theory via the representation category of vertex operator algebras. The talk is based on an ongoing project with F. Fuchs, C. Schweigert and S. Wood.

Invited by Stefan Waldmann