

Announcement

Seminar on Deformation Quantization

16. 7. 2021 at 2PM CEST

<https://uni-wuerzburg.zoom.us/j/92529190594?pwd=WkJvR1o1QUdldUNSSjFJbHB4c0Z0dz09>

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Singular half-sided modular inclusions and the algebra at infinity

The concept of a half-sided modular inclusion, i.e. an inclusion of two von Neumann algebras in a particular relative position, is central in the operator-algebraic approach to conformal chiral quantum field theory. Under favourable circumstances, the whole theory on the light ray can be reconstructed from it, including all local algebras and the representation of the Möbius group. An essential requirement is, however, that the inclusion is not singular, i.e. does not have a trivial relative commutant. In this talk I will explain this general setting and then present a technique for producing singular inclusions by a deformation procedure.

Invited by Stefan Waldmann