Deformationsquantisierung

Am 13.12.2019 spricht um 14 Uhr c.t.

Seminarraum SE 30

Kian Tadjalli Mehr

An algebraic description of the 2d state-sum model II

We begin this talk by defining triangulation of two dimensional surfaces and introducing piecewise-linear manifolds. This concept will be used to construct a state-sum model for closed, compact 2d manifolds. Then we will show how demanding independence of the model under change of triangulation translates into algebraic properties of the state-sum variables. Finally, there will be a short introduction to cobordisms, to understand how to describe the state-sum in the non-closed case of manifolds with boundary.

gez. Stefan Waldmann