



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 27. April 2021

17 Uhr, virtuelles Meeting mit
[BigBlueButton](#)

Prof. Dr. Sergei Merkulov
(Université de Luxembourg)

On the classification of Kontsevich formality maps

Abstract:

We discuss the homotopy theory of the wheeled prop controlling Poisson structures on formal graded finite-dimensional manifolds and prove, in particular, that

Grothendieck-Teichmueller group acts on that wheeled prop faithfully and homotopy non-trivially. Next we apply this homotopy theory to the study of the deformation complex of an arbitrary

Maxim Kontsevich formality map and compute the full cohomology group of that deformation complex in terms of the cohomology of a certain graph complex.

Vor dem Vortrag (ab 16.30 Uhr) besteht das Angebot auf ein Treffen zu einem virtuellen Tee.