



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 14. November 2017

17 Uhr s.t., Geom H4

Jun.-Prof. Dr. Victoria Hoskins
(FU Berlin)

Moduli problems and stratifications

Abstract:

Moduli problems are classification problems in algebraic geometry whose solutions are given by moduli spaces, which are algebraic varieties whose geometry encodes how the objects vary continuously in families. We focus on two main examples: moduli of vector bundles and moduli of quiver representations, which generalise many problems in linear algebra. We describe how to construct moduli spaces as group quotients in algebraic geometry; then we explain how stratifications can be used to study the geometry and topology of moduli spaces. In particular, we will describe these stratifications for moduli of quiver representations.

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