



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 5. Januar 2016

17 Uhr s.t., Geom H4

Dr. Hans Jockers
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The Quantum Geometry of 2d Gauge Theories

Abstract:

At specific points in the moduli space of certain 2d gauge theories the gauge theory ground states realize Calabi-Yau manifolds. Often these Calabi-Yau geometries arise from conventional symplectic quotients. However, in so-called strongly coupled patches of the moduli space, determining the ground state variety remains challenging.

In this talk I present a class of 2d gauge theories, for which I propose a geometric description for the patches of strong coupling. I present evidence in favor of this proposal and discuss the geometric implication for the underlying Calabi-Yau moduli spaces.

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