Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 15. November 2016

17 Uhr s.t., Geom H4

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Dimer models and Grassmannian cluster categories

Abstract:

A dimer model can be defined as a quiver embedded into a surface in such a way that the complement is a disjoint union of disks with oriented boundaries. Such models can also be considered in the case of a surface with boundary. Postnikov diagrams are used by Scott to describe the cluster structure of the homogeneous coordinate ring of the Grassmannian. These diagrams give rise to dimer models on a disk and to a natural (Jacobian) algebra. We use an idempotent subalgebra to get a categorical version of the cluster structure on the Grassmannian.
This is joint work with A. King and R. Marsh.

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