



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 6. Mai 2025

17 Uhr, Geom H4

Prof. Thomas Creutzig
(Universität Erlangen)

Title:

Verlinde's formula

Abstract:

Two-dimensional conformal field theory is a rich source of new insights and connections for mathematics. It can be rigorously formulated in the language of vertex operator algebras and an early highlight of this subject was the connection of the representation theory of vertex operator algebras to modular forms and tensor categories. A manifestation of this connection is Verlinde's formula, a formula that connects the modular group with the tensor product of representations. I will give an overview of this area.

**vor dem Vortrag (ab 16.30 Uhr) stehen im Foyer vor Hörsaal H4
Kaffee und Tee bereit.**