



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 1. Juli 2025

17 Uhr, Geom H4

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(Microsoft Station Q)

Title:

Kramers-Wannier dualities and higher Morita equivalences

Abstract:

Over the past couple of decades, researchers have established a “dictionary” relating condensed matter physics to higher category theory. Some well-known entries in this dictionary are: anyon quasi-particles = object of Drinfeld center; 1-dimensional gapped boundary = module category for a tensor category; condensation = algebra object. I’ll describe a new entry for this dictionary, relating the Kramers-Wannier type dualities of physics to Morita equivalences for higher categories. This talk aspires to be accessible to audience members with little or no knowledge of physics or higher category theory.

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