



## Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 30. April 2024**

17 Uhr, Geom H4

**Prof. Denis-Charles Cisinski**  
(Universität Regensburg)

The Logic of  $\infty$ -Category Theory

Title:

This talk will be an introduction to synthetic category theory. This is the natural language to express modern algebraic geometry (following Toen and Vezzosi, Lurie, Bhatt, Scholze, Clausen). However, we will adopt a much more elementary perspective. We will see how the history of logic of the last hundred years has lead us precisely to this place where logic, homotopy theory, and category theory become one.

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