



## Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 12. Juni 2018**

17 Uhr c.t., Geom H4

**Dr. Johannes Carmesin**  
University of Cambridge

(Habitationsvortrag)

### *Embedding simply connected 2-complexes in 3-space*

#### Abstract:

A classical theorem of Kuratowski characterises graphs embeddable in the plane by two obstructions. More precisely, a graph is planar if and only if it does not contain the complete graph  $K_5$  or the complete bipartite graph  $K_{3,3}$  as a minor.

Can you characterise embeddability of 2-dimensional simplicial complexes in 3-space in a way analogous to Kuratowski's characterisation of graph planarity?

Wegen einer Terminüberschneidung fällt der traditionelle Nachmittagstee am 12.06. aus.