

Einladung

Würzburger Mathematisches Kolloquium

Julius-Maximilians-Universität Würzburg • Institut für Mathematik

Anton Freund

Julius-Maximilians-Universität Würzburg – Antrittsvorlesung

Infinitary Methods in Combinatorics – a Logical Analysis

Dienstag, 23. April 2024 • 13:15 Uhr

Lecture Hall (Raum 00.006) • Graduate School of Life Sciences (Beatrice-Edgell-Weg 21, 97074 Würzburg)

Der Vortrag wird auch Zoom-Meeting übertragen: go.uniwue.de/ifmcolloquium-zoom

Abstract. Mathematical logic uses formal methods to investigate what can be computed, defined and proved in various settings. In addition to the intrinsic intellectual interest, this leads to applications such as ultrafilter constructions in algebra or the extraction of bounds in analysis. The present talk explores the role of infinitary methods in combinatorics. In particular, we show that very complex countable sets (akin to Borel sets of high rank) must appear in all proofs of certain theorems about finite orders (related to the notion of better-quasi-order).



<https://www.mathematik.uni-wuerzburg.de/de/aktuelles/kolloquium>

Alle sind herzlich eingeladen.

Die Dozentinnen und Dozenten der Mathematik

