Universität Wien

Fakultät für Mathematik

ANTRITTSVORLESUNG
Mathematisches Kolloquium

Mittwoch, 25. Jänner 2023
Sky Lounge

EINLADUNG

Balázs Szendrői
(Universität Wien)

"Double point singularities, partitions and Lie algebras"

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Abstract:
The quadric cone, as well as the five regular solids, are among the most-studied objects in mathematics, their history going back (at least) to the ancient Greeks. I will explain what links these classical constructions to more recent themes, such as the combinatorics of coloured partitions and representations of infinite-dimensional Lie algebras. Our recent results rely in particular on crystal bases, a combinatorial structure present within representations of (quantum) Lie algebras. Many interesting challenges remain open.

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

Kleines Buffet im Anschluss

Radu Ioan Bot