PhD Colloquium

Thibaut Kouptchinsky (TU Wien)

The Limits of Determinacy in Third-Order Arithmetic

I will introduce the method of Reverse Mathematics through the question: « What are the right axioms to play infinite games ». We will then generalise a theorem of Montalbán and Shore. They showed what was the limit of determinacy when one work in the realm of natural numbers and set of natural numbers.

Florestan Brunck (ISTA)

A Fast Algorithm for Turning your Room into a Dojo

We revisit how an insightful connection between geometric group theory and theoretical computer science gives the fastest algorithm for domino (or tatami) packing in the plane.

15 January 2024, 3 pm to 5 pm
(coffee break between the talks)

SR06, Faculty of Mathematics,
University of Vienna (Oskar-Morgenstern-Platz 1)