

Friedrich-Hirzebruch-Kolloquium

Equations over groups

Prof. Dr. Andreas Thom (University of Dresden)
18 December 2025, 2:15 pm | lecture hall M4



The study of equations in the language of groups has a long history and many applications. I will explain how topological methods can be applied to solve equations over groups and also mention some recent advances in the study of identities for finite and infinite groups. Some positive answers rely on Gromov's notorious open problem whether all groups can be approximated by finite permutations in a suitable sense.

Everything will be motivated and explained starting with basic concepts.

After the talk there will be a reception at the SRZ Lounge, Orléans-Ring 12, 2nd floor.



We kindly ask you to register for the reception at
<https://indico.uni-muenster.de/event/3806/>