

Program of the Weihnachtsworkshop 2024

Monday

- 9:30 - 10:00 **Reception**
10:00 – 11:00 **Anja Randecker**
- 11:15 – 12:15 **Johannes Schmitt**
Euler characteristics of strata of k -differentials
- 13:45 - 14:45 **Manuel Kany**
Arithmeticity of the Kontsevich-Zorich monodromy of origamis
- 15:00 – 16:00 **Ivan Yakovlev**
Metric ribbon graphs
- 16:30 – 17:30 **Elia Fioravanti**
The pressure metric on quasi-Fuchsian spaces

Tuesday

- 9:00 – 10:00 **Maximilian Wackenhuth**
On sphere packing bounds conjectured by Cohn and Zhao
- 10:30 – 11.30 **Thomas Dubbe**
Zeros of the ζ -function near 1 and The Large Sieve
- 11:45 – 12:45 **Miguel Prado**
The iso-residual curve on genus zero
- 14:00 – 15:00 **Laurent Bartholdi**
Automata for the Thue-Morse subshift
- 15:30 – 16:30 **Jan-Christoph Schlage-Puchta**
A Monte-Carlo algorithm to estimate the index of the Veech group of an origami
- 16:45 – 17:45 **Benjamin Klopsch**
Hausdorff dimension in p -adic analytic pro- p groups
- Evening **Weihnachtsfeier (Christmas Party)**

Wednesday

- 09:00 – 10:00 **Simon Barazer**
Directed ribbon graphs and acyclic decomposition
- 10:30 – 11.30 **Bram Petri**
Random hyperbolic surfaces with large systoles
- 11:45 – 12:45 **Bernhard Köck**
Computing modular representations given by poly-differentials on Drinfeld curves