Mathematisches Kolloquium

How Coxeter and Escher meet Poisson

Sprecher: Prof. Dr. Christoph Thäle , Universität Bochum

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In this talk we discuss Poisson hyperplane tessellations in hyperbolic space. More generally, we consider Poisson process of lambda-geodesic hyperplanes. It is demonstrated how the transition from the Euclidean to the hyperbolic world leads to new and unexpected phenomena, which are related to the effect of observing unbounded cells or unconventional limit distributions.