Oberseminar Geometrie
Department of Mathematics
University of Fribourg
Physics 2.52
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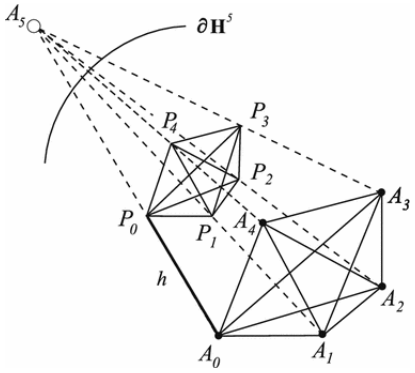

Naomi Bredon (UniFR)

Hyperbolic Coxeter groups and minimal growth rates in dimensions four and five - a follow-up

This is a follow-up of our talk a month ago. There, we gave the tools to prove that the Coxeter group with symbol [5,3,3,3] has the smallest growth rate among all cocompact Coxeter groups acting on $\mathbb{H}^4$. In this talk, we will first present a simplified version of this proof, and then we will prove the corresponding theorem in dimension 5: the Coxeter prism group with symbol [5,3,3,3,3] has the smallest growth rate among all Coxeter groups acting cocompactly on $\mathbb{H}^5$. This is joint work with Ruth Kellerhals.