Oberseminar Geometrie
Department of Mathematics
University of Fribourg
Physics 2.52
Wednesday, 17 April 2024, 10:20

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A sequence of $\pi/3$-equiangular hyperbolic polyhedra

A polyhedron is called π/k-equiangular if all its dihedral angles are equal to π/k ($k \in \mathbb{N}$). In this talk, we will first introduce some known results about such polyhedra in hyperbolic spaces. Then, we will construct a sequence of $\pi/3$-equiangular three-dimensional hyperbolic polyhedra different from the sequence Atkinson found in 2009. We will also determine the volumes of some of these polyhedra.