



复旦大学数学科学学院
数学综合报告会

报告题目: **Around right-angled hyperbolic polyhedral**

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报告时间: 2016-07-06 星期三
15:00-16:00

报告地点: 光华楼东主楼 1501

摘要: Right-angled polyhedra in hyperbolic spaces are serving as useful building blocks for constructing hyperbolic manifolds and orbifolds with interesting properties. We will look at dimension three, where we describe existence conditions and the volume set structure. Then we will present a way to construct closed hyperbolic 3-manifolds related to color-epimorphisms of right-angled Coxeter groups and find 2-fold branched coverings of the 3-sphere. As a particular case, we will discuss the first example of a closed orientable hyperbolic 3-manifold constructed by F. Loebell in 1931.

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