

Geodesic planes in hyperbolic 3-manifolds

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Let M be a hyperbolic 3-manifold, a geodesic plane in M is a totally geodesic immersion of the hyperbolic plane into M . In this talk we will give an overview of some results which highlight how geometric, topological, and arithmetic properties of M are related to behavior of geodesic planes in M .

This talk is based on joint projects.