

Bounded quasi-Fuchsian subsurfaces in closed hyperbolic 3-manifolds

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In this talk, we discuss principles of constructing quasi-Fuchsian subsurfaces in closed hyperbolic 3-manifolds via Kahn--Markovic pants gluing. We will show that the surface can be manipulated to be connected, having desired boundary up to covering, and having desired relative homology class.

This is joint work with V. Markovic.