

## Hyperbolic volumes and pants distances for two-bridge knots

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It was announced by J. Brock and J. Souto that the distance of a strongly irreducible Heegaard splitting in the pants complex of the Heegaard surface is comparable with the hyperbolic volume for a closed hyperbolic 3-manifold. In this talk, we will consider two-bridge knots in the 3-sphere, and show that hyperbolic volumes of the knot complements are comparable with the distances of two-bridge decompositions of the knots in the pants complexes of the bridge decomposing spheres.

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