Pengcheng Xu* (pengcheng.xu@okstate.edu), Department of Mathematics, Oklahoma State University, Stillwater, OK 74078. *-moves between pants block decompositions of 3-manifolds.

A pants block decomposition of a compact hyperbolic 3-manifold is a decomposition of the 3-manifold which cuts the manifold into fundamental pieces called pants blocks. This is similar to a triangulation, which cuts the 3-manifold into tetrahedra. In this talk we will discuss how to relate two pants block decompositions of a manifold with a sequences of P-moves, which are similar to Pachner moves between triangulations. (Received January 20, 2015)