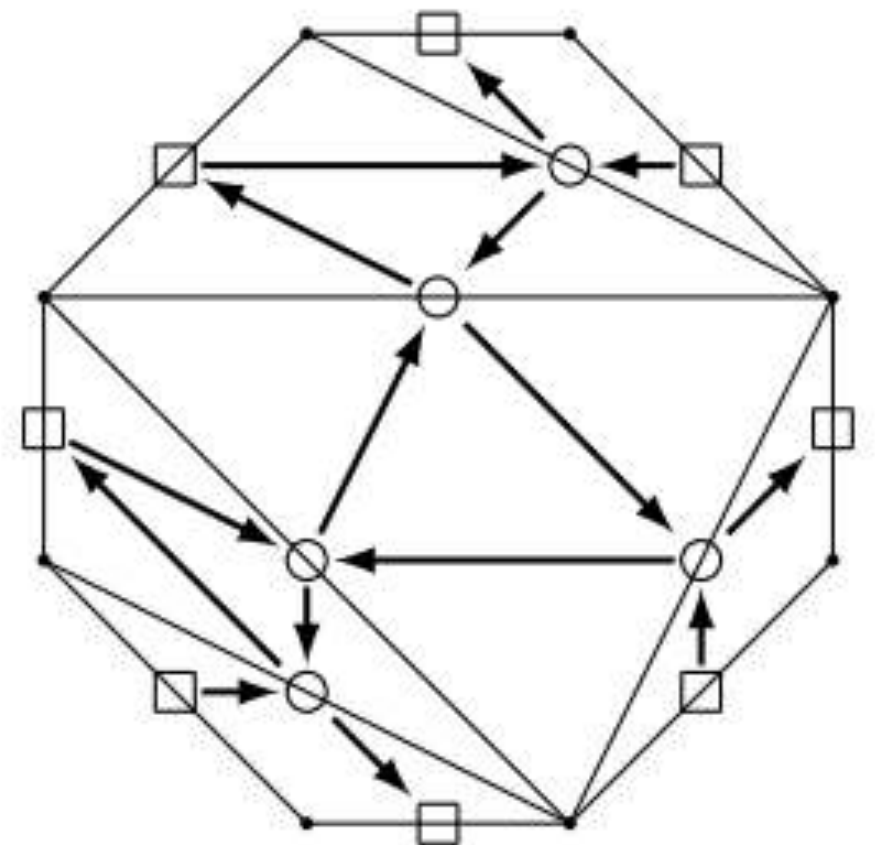# Michigan Math Club

Thursday at 4pm in EH1360
Pizza + pop outside afterwards!!

Quivers and Quiver Mutation

Katie Waddle

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Many important people have quivers - Legolas, Robin Hood, and now you! In math, a quiver is a collection of vertices and arrows between them, and in the theory of cluster algebras there is a special rule for how to mutate a quiver. Come try your hand at quiver mutation, make and test some conjectures, and take down an orc or two (no lembas needed, pizza will be provided afterwards!)

Picture credit: Fomin, S., Williams, L., and Zelevinsky, A. *Introduction to Cluster Algebras.* https://arxiv.org/abs/1608.05735. page 21.