

1098-57-278

Jing Wang* (jxfzwangjing@gmail.com) and **Jozef H Przytycki**. *Khovanov type graph homology for non-commutative algebras.*

Our work is motivated by homology of abstract simplicial complex with functor coefficients. For non-commutative algebras, we introduce a Khovanov type definition of graph homology. This is an alternative approach to Paul Turner and Emmanuel Wagner's work. We discuss the relation between these two approaches. (Received January 28, 2014)