

The object of study of this thesis is a special class of quiver algebras called gentle algebras. To study modules over them, we can use a combinatorial or geometric view. Thanks to Theorem 6.1. in the article Chan and Demonet [2020], we can find the lattice of torsion classes of modules over gentle algebras using string combinatorics. In the thesis, we apply this theorem for a few examples. Especially we derive the lattice of torsion classes of Kronecker algebra, and we do the first steps for finding the lattice for Markov algebra. The emphasis is placed on understanding the relationship with the geometric view.