KIYOSHI IGUSA, Brandeis University
Maximal green sequences for cluster tilted algebras of finite type.

This talk is about the Appendix of this paper (arXiv:1706.06503) written jointly with Gordana Todorov which discusses the maximal length of a maximal green sequence (MGS) for cluster-tilted algebras of finite type. By Assem-Brustle-Schiffler (2006), cluster tilted algebras are relation extensions of tilted algebras. The indecomposable modules for such a tilted algebra gives a MGS for the cluster-tilted algebra and in many cases this is the MGS of maximal length. The classification of tilted algebras of type A by Assem (1982) is used to construct what we conjecture to be the longest MGS in the cluster-tilted algebras of type A.