

On recent developments in quasi-hereditary structures

Friday, 22 December 2023 10:00 (50 minutes)

The notion of quasi-hereditary algebras were introduced by Cline-Parshall-Scott, and there is an abundance of examples arising in algebraic Lie theory and non-commutative resolution of singularities. This notion is defined with respect to a poset structure on the set of simple modules. In this talk, we will survey some recent developments in enumerating these structures, and in particular, their relation with the (po)set of tilting modules. This talk contains joint works with Takahide Adachi, Yuta Kimura, and Mayu Tsukamoto.

Presenter: CHAN, Aaron (Nagoya)