

Changchang Xi: Stable equivalences of Morita type.

In the representation theory of finite groups or self-injective algebras, the notion of stable equivalence of Morita type, which is related to a conjecture of Broue, plays a considerable role. In this talk, we consider the stable equivalence of Morita type for general finite dimensional algebras. Two constructions are provided to get a new stable equivalence of Morita type from a given one, this is done by forming Auslander algebras and one-point extensions. Moreover, our general consideration leads to a natural stratification of module categories over self-injective algebras that are stably equivalent of Morita type.