

- Zahra Nazemian (Graz) - Strong tilting modules and a class of noetherian rings.

Abstract: It is known that if a finite dimensional algebra adopts a strong tilting module, then its big and little finitistic dimension are both finite and equal. We provide a reduction technique for the existence of strong tilting modules over finite dimensional algebras. We discuss the iteration process and explain why the class of noetherian rings with Auslander dualizing complex is important for us to consider and study.