

Let $\Lambda = \Lambda_0 \oplus \Lambda_1 \oplus \dots \oplus \Lambda_s$ be a finite dimensional graded algebra over a field and suppose Λ has finite global dimension. We do not assume that Λ_0 is semi-simple. Let T be a graded Λ -module concentrated in degree zero.

In this talk I will propose the following new definition of T -Koszul algebras: Λ is a T -Koszul algebra if both (1) and (2) hold.

- (1) T is a tilting Λ_0 -module.
- (2) T is graded self-orthogonal as a Λ -module.