

On The Auslander-Reiten Conjecture for Algebras

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A recent result of Huneke, Leuschke and Araya, asserts that if the Auslander-Reiten conjecture holds in codimension one for a commutative Gorenstein ring R , then it holds for R . We extend this result to left Gorenstein R -algebra Λ , whenever R is a commutative Gorenstein ring. This, in particular, implies that any finitely generated self-orthogonal Gorenstein projective Λ -module is projective, provided Λ is an isolated singularity and $\dim R \geq 2$.