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TITLE: Algebras of generalized standard semiregular type

ABSTRACT:

This is report on a joint work with A. Skowroński.

Let A be an artin algebra over a commutative artin ring K , $\text{mod } A$ the category of finitely generated right A -modules, rad^∞_A the infinite radical of $\text{mod } A$, and Γ_A the Auslander-Reiten quiver of A . A component C of Γ_A is called semiregular if C does not contain both a projective module or an injective module. Following Skowroński, a component C of Γ_A is said to be generalized standard if $\text{rad}^\infty_A(X, Y) = 0$ for all modules X and Y in C . Then A is said to be of generalized standard semiregular type if every component C of Γ_A is generalized standard and semiregular.

The aim of the talk is to describe the structure of artin algebras of generalized standard semiregular type.

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