Minisymposium 12 - Representation Theory of Algebras

Take-off subcategories

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Let Λ be an artin algebra and mod Λ the category of left Λ-modules of finite length. A full subcategory of mod Λ will be said to be a *take-off subcategory* provided it is closed under cogeneration, contains infinitely many isomorphism classes of indecomposable modules, and is minimal with these properties. We show the existence of take-off subcategories (provided, of course, that Λ is representation-infinite).