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Pairwise Completability for 2-Simple Minded Collections

Let Λ be a basic, finite dimensional algebra over an arbitrary field, and let $\text{mod}(\Lambda)$ be the category of finitely generated right modules over Λ . A 2-term simple minded collection is a special set of modules that generate the bounded derived category for $\text{mod}(\Lambda)$. In this talk we describe how 2-term simple minded collections are related to certain simplicial fans, and we show how to model 2-term simple minded collections for the preprojective algebra of type A.