

A geometric interpretation of the triangulated structure of m -cluster categories

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The aim of this note is to answer several open problems arising from the geometric description of the m -cluster categories of type A_n and their realization in terms of the m -th power of a translation quiver. In particular, we give a geometric interpretation of the triangulated structure of m -cluster categories. Furthermore, we characterize all the connected components arising from a cluster category when taking the m -th power of its Auslander-Reiten quiver.

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