

IRREDUCIBLE MORPHISMS IN THE CATEGORY OF COMPLEXES

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ABSTRACT. The aim of Representation Theory of Artin Algebras is the classification of the (finitely generated) indecomposable modules over an Artin algebra and the homomorphism between them. In this context, the irreducible morphisms play an important role.

We can also study irreducible morphisms in the category of complexes $C(A)$, where A is an additive category with certain conditions. This was the main purpose of the paper published by Giraldo and Merklen (see [1]). In this article, they present conditions for existence of irreducible morphisms.

The purpose of the poster is to present the main results of this paper.

REFERENCES

- [1] H. Giraldo, H. Merklen, *Irreducible Morphisms of Categories of Complexes*, Journal of Algebra.

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