

Reductions of Bi-module Problems

November 16, 2012

Zhang Yingbo, Beijing Normal University

Abstract

The aim of the present talk is to discuss reduction operations for a bi-module problem \mathfrak{A} , in order to obtain an induced bi-module problem \mathfrak{A}' , such that there exists a fully faithful functor

$$\vartheta : R(\mathfrak{A}') \rightarrow R(\mathfrak{A}).$$

In this way, we are able to reduce the representation category to a subcategory. it is more convenient to find some properties of the original category.

This is a joint work with Xu Yunge from Hubei University.