



# ALGEBRA SEMINAR

## A semisimplicity criterion for Green biset functors, with one application.

By

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**Abstract:** We will prove a criterion giving conditions for the category of modules over a Green biset functor to be semisimple. The criterion is not hard to prove and it is useful for applications. As an example, we will see that for any fields  $k$  and  $F$  of characteristic 0 and any finite group  $T$ , the category of modules over the shifted Green biset functor  $(kR_F)_T$  of  $F$ -linear representations, is semisimple. This is joint work with Serge Bouc.

**Date:** Monday, March 27, 2023

**Time:** 15:30

**Place:** SA141 - Mathematics Seminar Room