ALGEBRA SEMINAR

Coherence conditions for the characters of trivial source modules

By

John McHugh
(University of California, Santa Cruz)

Abstract: Recently, Boltje and Carman described a ring of so-called "coherent character tuples" which is isomorphic to the trivial source ring of a finite group. I will explain refinements of Boltje and Carman's result that describe the Grothendieck group of the category of trivial source modules belonging to a fixed p-block of a finite group. These refinements are used to introduce a new type of block equivalence which we call a "strong isotypy." A splendid Rickard equivalence or a p-permutation equivalence induces a strong isotypy, and a strong isotypy restricts to an isotypy in the sense of Broué.

Date: Wednesday, February 21, 2024
Time: 17:30
Place: ZOOM
To request the event link, please send a message to d.yilmaz@bilkent.edu.tr