ALGEBRA SEMINAR

Mackey Category of Brauer Pairs

By

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Abstract: For a finite group G, and an algebraically closed field of char p, G acts on kG by conjugation, making it a G-algebra. A pair (P,c) such that P is a p-subgroup of G and c is a block idempotent of kC_G(P) is called a Brauer pair. Brauer pairs form a refinement of the G-poset of p-subgroups of a finite group. In this talk, we will define the ordinary Macket biset category \mathcal{C} of Brauer pairs (shortly, Mackey category of Brauer pairs) and if time permits, show that the category algebra of \mathcal{C} is semisimple.

Date: December 18, 2019 Wednesday
Time: 10:40 – 11:50
Place: SA141 Mathematics Seminar Room

* Simit and cream cheese will be served before the talk. All are most cordially invited.