

Tambara functor as a G -bivariant analog of commutative ring

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For a finite group G , *Mackey functors* and *Tambara functors* are regarded as G -bivariant analogs of abelian groups and commutative rings, respectively. In fact if G is trivial, they agree with the ordinary abelian groups and commutative rings.

As such, some algebraic operations on rings and groups can be extended to these G -bivariant analogous notions. In this talk, we will introduce G -bivariant analogs of semi-group rings, polynomial rings, fraction rings, ideal quotients and prime spectra.

References

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