



ALGEBRA SEMINAR

Stable unital basis, hyperfocal subalgebras and basic Morita equivalences

By

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Abstract: We will present Conjecture 1.6 introduced by Barker and Gelvin in 2020, which says that any source algebra of a p -block (p is a prime) of finite group has the unit group containing a basis stabilized by left and right action of the defect group. We will reduce this conjecture to a similar statement about basis of the hyperfocal subalgebras in the source algebra. We will also investigate if such unital basis of source algebras of two p -blocks, stabilized by left and right action of the defect group, are transported through basic Morita equivalences.

Date: Wednesday, December 21, 2022

Time: 11:00 – 12:00 (UTC+3)

Place: ZOOM. This is an online seminar. To request the event link, please send a message to d.yilmaz@bilkent.edu.tr