ALGEBRA SEMINAR

Counting Wedderburn components of finite group algebras over $\mathbf{Q_p}$

By

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Abstract: Let b be a block idempotent of the finite group algebra Z_pG. We present a conjecture that expresses the number of Wedderburn components of Q_pG of a given "type" as an alternating sum of those numbers for blocks associated with b on p-local subgroups. We prove that this conjecture is equivalent to a refinement of Alperin's weight conjecture due to Turull and that it holds for various classes of blocks. This is joint work with Burkhard Külshammer.

Date: Wednesday, November 30, 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