ALGEBRA SEMINAR

Frobenius-Schur indicators of characters in real 2-blocks

By

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Abstract: It is a difficult problem to decide whether a real-valued character χ of a finite group G can be afforded by a real representation.
This information is encoded in the Frobenius-Schur indicator $\epsilon(\chi)$ of χ, which cannot be computed from the complex character table.
Suppose that χ lies in a 2-block B. Gow and Murray have shown that the so-called extended defect group E has a strong influence on $\epsilon(\chi)$. We put forward a precise formula for $\epsilon(\chi)$ when B is nilpotent.

Date: Monday, April 10, 2023
Time: 15:30
Place: Zoom

To request the event link, please send a message to d.yilmaz@bilkent.edu.tr