Publ. Math. Debrecen In-print:: Ref. no.: 9813 (2024), 1–1

A generalized character associated to element orders

By ALEXANDER MORETÓ (Burjassot)

Abstract. Let G be a finite group. We study the generalized character defined by $\Xi(g) = |G|o(g)$, for $g \in G$, which is closely related to a function that has been widely studied recently from a group theoretical point of view.

ALEXANDER MORETÓ DEPARTAMENTO DE MATEMÁTICAS UNIVERSIDAD DE VALENCIA 46100 BURJASSOT, VALENCIA SPAIN

 $Mathematics\ Subject\ Classification:\ {\rm Primary:}\ 20{\rm C}15.$

Key words and phrases: generalized character, element orders, Galois automorphism.