

Year: 2015

Vol.: 86

Fasc.: 1-2

Title: Characterization of p -groups by sum of the element orders

Author(s): S. M. Jafarian Amiri and Mohsen Amiri

Let G be a finite group. Then we denote $\psi(G) = \sum_{x \in G} o(x)$ where $o(x)$ is the order of the element x in G . In this paper we characterize some finite p -groups (p a prime) by ψ and their orders.

Address:

S. M. Jafarian Amiri
Department of Mathematics
Faculty of Sciences
University of Zanjan
Zanjan
Iran

Address:

Mohsen Amiri
Department of Mathematics
Faculty of Sciences
University of Zanjan
Zanjan
Iran