Title: On weakly σ-quasinormal subgroups of finite groups

Author(s): Bin Hu, Jianhong Huang and Alexander N. Skiba

Let $\sigma = \{\sigma_i | i \in I\}$ be a partition of the set of all primes $\mathbb{P}$, and G be a finite group. A set $\mathcal{H}$ of subgroups of G is said to be a *complete Hall σ-set of G* if every member $\neq 1$ of $\mathcal{H}$ is a Hall σ_i-subgroup of G for some $i \in I$, and $\mathcal{H}$ contains exactly one Hall σ_i-subgroup of G for every i such that $\sigma_i \cap \pi(G) \neq \emptyset$. A group is said to be *σ-primary* if it is a finite σ_i-group for some i.

Address:
Bin Hu
School of Mathematics and Statistics
Jiangsu Normal University
Xuzhou, 221116
P. R. China

Address:
Jianhong Huang
School of Mathematics and Statistics
Jiangsu Normal University
Xuzhou, 221116
P. R. China

Address:
Alexander N. Skiba
Department of Mathematics and
Technologies of Programming
Francisk Skorina Gomel State University
Gomel, 246019
Belarus