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Title: A note on the kernels of nonlinear irreducible characters

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Let G be a finite nonabelian group, and $\text{Kern}(G)$ be the set of kernels of nonlinear irreducible complex characters of G . A nonabelian p -group such that all the elements of $\text{Kern}(G)$ have the same order is called a \mathbb{P} -group. We give a necessary and sufficient condition for a prime power order group to be a \mathbb{P} -group.

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