

On the Degrees of the Non-faithful Irreducible Characters in Finite Groups

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Abstract: In this paper, we consider the degrees of the non-faithful irreducible characters of finite groups. We classify finite groups in which non-faithful nonlinear irreducible characters admit distinct degrees. Also we study finite groups whose non-faithful nonlinear irreducible characters are of degree a prime p and classify all of the p -groups with this property.

Key words: Minimal normal subgroups, non-faithful characters, Frobenius groups.

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