

Speaker: Luis Valero

Title: The n -eigenpotents of the Burnside ring

Abstract: An n -eigenpotent in the Burnside ring $B(G)$ of a finite group G is an element x in $B(G)$ such that $x * x = nx$, where n is a positive integer. For example, 1-eigenpotents are the idempotents of $B(G)$. In this talk we study some simple properties of n -eigenpotents, and point out some connections to the units of $B(G)$ and the Feit-Thompson Theorem.