

On the Normality of Cayley Graphs of Abelian Groups

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Abstract

For a group G , and a subset S of G such that $1_G \notin S$, let $\Gamma = Cay(G, S)$ be a Cayley graph. Then Γ is said to be normal, if the right regular representation G is normal in $Aut(\Gamma)$. In this paper we determine all normal Cayley graphs of abelian group with valency six.