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ON THE NORMALITY OF SOME CAYLEY DIGRAPHS WITH VALENCY 2

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Abstract. We call a Cayley digraph Γ=Cay(G, S) normal for G if $R(G)$, the right regular representation of G, is a normal subgroup of the full automorphism group Aut(Γ) of Γ. In this paper we determine the normality of Cayley digraphs of valency 2 on the groups of order pq and also on non-abelian finite groups G such that every proper subgroup of G is abelian.

Key words: Cayley digraph, normal Cayley digraph, automorphism group.

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