

## Normal Cayley Graphs on Minimal Non-Abelian Groups of Small Valency

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We call a Cayley graph  $X = \text{Cay}(G, S)$  normal for  $G$  if the right regular representation of  $G$  is normal in the full automorphism group  $\text{Aut}(X)$  of  $X$ . In this paper it is proved that all connected trivalent Cayley graphs on a minimal non-abelian group  $G$  are normal except when  $|G| = 2^n$  and  $|\text{Aut}(X)| \nmid 2^n \times 3$ .