# On the normal edge-transitive Cayley graphs

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For graph $\Gamma$, let $X$ be a subgroup of $Aut(\Gamma)$, $\Gamma$ is called $X$-vertex-transitive or $X$-edge-transitive, if $X$ is transitive on the set of vertices or the set of edges, respectively. The Cayley graph $X = \mathrm{Cay}(G, S)$ is is normal edge-transitive if and only if $\mathrm{Aut}(G, S)$ is either transitive on $S$ or has two orbits in $S$ in the form of $T$ and $T^{-1}$, where $T$ is a non-empty subset of $S$ and $S = T \cup T^{-1}$. In this paper, we study some properties of normal edge-transitive Cayley graphs.

## References

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