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Every simple \mathbb{G} -graph is the colored clique graph of a Cayley graph**

A class of \mathbb{G} -graphs was introduced by A. Bretto, A. Faisant, L. Gillibert and B. Laget(2004). Since \mathbb{G} -graphs are derived from groups, the problem of clarifying the relationships between them and the other known classes of graphs associated with groups arises quite naturally. We show that every simple \mathbb{G} -graph admits a representation as the colored clique graph of a Cayley graph. We use this to solve some problems on \mathbb{G} -graphs in terms of Cayley graphs.