

## Symmetries of bi-Cayley graphs

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A graph  $\Gamma$  admitting a group  $H$  of automorphisms acting semi-regularly on the vertices with exactly two orbits is called a *bi-Cayley graph* over  $H$ . Bi-Cayley graph is a natural generalization of Cayley graph. A large body of research has been developed in recent years to explore the symmetries of bi-Cayley graphs. Much of the work has been focused on the classification and construction of bi-Cayley graphs with specific symmetry properties. In this lecture, I will survey some recent results in this area.