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Cayley incidence graphs

Abstract: Cayley graphs are an important notion in algebraic graph theory as they connect the structures of groups and graphs. The concept of Cayley incidence graphs was first introduced by Evra et al in 2023 (referred to as Cayley bigraphs). They are bipartite, biregular graphs arising from Cayley graphs and in this talk we will explore their properties and connections with other algebraic structures. This is joint work with Alexey Gordeev, Sabrina Lato, Tovohery Randrianarisoa and Joannes Vermant.