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Automorphism Groups of Dowling Lattices

Abstract for the Combinatorics and Number Theory and Algebra Seminars
2001 January 23

A Dowling lattice, $Q_n(G)$, of a group G is a thin, graph-theoretic geometrical system which is analogous to a projective geometry over a field in that both are highly symmetrical "universal" geometries. Thus the automorphism groups of Dowling lattices are bound to be of some interest. I will discuss and, I hope, expound a paper that shows that the automorphism group of $Q_n(G)$ has no semidirect product decomposition except what it inherits from G .

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Last update: **2020/01/29 19:03**

