

Expansions of ordered Abelian groups by unary predicates

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I will present some recent results and ongoing progress on the model-theoretic properties of expansions of ordered Abelian groups by a predicate for a subset. In particular, we will discuss what is known about when such expansions are NIP, strong, or finite dp-rank, and when we know how to eliminate quantifiers (especially in the case when the predicate names a subgroup).

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