

RELATIVE STABILITY AND MODEL THEORY OF ORDERED GROUPS

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An ordered structure $(M, <, \dots)$ is said to be *o-stable* if each cut in M has a ‘small’ number of extensions up to a complete 1-type over M . Notion of o-stability is an integration of the notions of o-minimality and stability and generalizes such notions as weak o-minimality, quasi-o-minimality, weak quasi-o-minimality, and dp-minimality with a definable order.

The talk will be about the properties of o-stable ordered groups, about description of its definable subgroups, subsets and unary functions.

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