

Extending partial orders in tame ordered structures

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Abstract

We show that partial orders definable in several “tame” ordered structures can be definably extended to linear orders. Our technique extends a straightforward one on well-ordered structures, and holds for many variants of o-minimal structures, as well as for ordered structures not usually considered tame, such as non-standard models of PA. Joint work with C. Steinhorn. The slides will be available at <http://janak.org/talks/euro.pdf>