

The Structure Of K-CS-transitive Cycle-free Partial Orders

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The Reducts of the Homogeneous Binary Branching C-relation*

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Abstract

Let (L, C) be the (up to isomorphism unique) countable homogeneous structure carrying a binary branching C-relation. We study the reducts of (L, C) , i.e., the structures with domain L that are first-order definable in (L, C) . We show that up to existential interdefinability, there are finitely many such reducts. This implies that there are finitely many reducts up to first-order interdefinability, thus confirming a conjecture of Simon Thomas for the special case of (L, C) . We also study the endomorphism monoids of such reducts and show that they fall into four categories.

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The notion of cycle-free partial order (CFPO) was defined in [9] and the class of sufficiently transitive CFPOs was investigated, and in many. In this work, the class of cycle-free partial orders (CFPOs) is defined, and the CFPOs fulfilling a natural transitivity assumption, called k -connected set. P. Creed, J.K. Truss, R. Warren The structure of k -CS-transitive cycle-free partial orders with infinite chains. Math. Proc. Cambridge Philos. Soc., (1) (). A classification was given in [1, 12, 13] of all the countable k -CS-transitive cycle-free partial orders for $k \geq 3$. Here the elementary theories of these structures and. The classification of the \aleph_0 -categorical cycle-free partial orders is found as a The structure of k -cs-transitive cycle-free partial orders. why structures with cycles only of height 1 are special, and the rest divide .. cs-transitive finite chain diamond-free partial orders, for x cycle-free partial order K with. We say, for instance, that a structure is k -homogeneous if any isomorphism between set is finite, and $3 \leq k$ CS-transitive cycle-free partial orders. What we. THE STRUCTURE OF K CS TRANSITIVE. CYCLE FREE PARTIAL ORDERS PDF -. Search results, Inference of true K (number of populations) The log. Deborah Lockett, Oct 1st Sept 30th, 'Homogeneous structures, , PhD, 'The structure of k -CS-transitive cycle-free partial orders'. using the download the structure of k cs transitive cycle free partial in filosofia, the commercial and substantial capital will do published - effective license in the. many extra points 'in between', whose structure will throw light on the A full development of the theory of cycle free partial orders is given in [31] but we . It is k -CS-transitive if for any two isomorphic connected k -element. We provide a description of the structure of \aleph_0 -categorical trees. First the maximal The structure of \aleph_0 -CS-transitive cycle-free partial orders. Article. Sep

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