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Volume 11436 LNCS, 2019, Pages 28-41
15th Annual Conference on Theory and Applications of Models of Computation, TAMC 2019; Kitakyushu; Japan; 13 April 2019 до 16 April 2019; Код 225259

Computable isomorphisms of distributive lattices (Conference Paper)

Bazhenov, N.[a,b], Mustafa, M.[c], Yamaleev, M.[d]

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Краткое описание

Просмотр пристатейных ссылок (29)

A standard tool for the classifying computability-theoretic complexity of equivalence relations is provided by computable reducibility. This gives rise to a rich degree-structure which has been extensively studied in the literature. In this paper, we show that equivalence relations, which are complete for computable reducibility in various levels of the hyperarithmetical hierarchy, arise in a natural way in computable structure theory. We prove that for any computable successor ordinal α, the relation of (formula presented) isomorphism for computable distributive lattices is (formula presented) complete. We obtain similar results for Heyting algebras, undirected graphs, and uniformly discrete metric spaces. © Springer Nature Switzerland AG 2019.

Важность темы SciVal

Тема: Structure | Computable structure | Degree spectra

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Andrews, U., Sorbi, A.
(2018) Annals of Pure and Applied Logic

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