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Note on free algebras over continuous domains. (English) Zbl 0896.08008

Theor. Comput. Sci. 179, No. 1-2, 421-425 (1997).

Summary: We provide a simple direct proof that for a finitary signature and a set of inequalities the free algebra functor on the category of directed complete partial orders (dcpo's) takes continuous, respectively algebraic, dcpo's to free algebras whose underlying dcpo is again continuous, respectively algebraic.

MSC:

[08B20](#) Free algebras

[06B35](#) Continuous lattices and posets, applications

[68Q55](#) Semantics in the theory of computing

[08A70](#) Applications of universal algebra in computer science

Cited in **2** Documents

Keywords:

free algebra functor; category of directed complete partial orders; dcpo

Full Text: [DOI](#)

References:

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