

Semilattice ordered algebras I - free algebras

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A semilattice ordered \mathcal{V} -algebra is an algebra of the form $(A, \Omega, +)$, where $+$ is a join-semilattice operation, (A, Ω) is an algebra from some given variety \mathcal{V} and operations from the set Ω distribute over the operation $+$. We provide examples of such algebras and their basic properties. Among the others, we describe free semilattice ordered algebras.

This is a joint work with Agata Pilitowska.

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