MINIMAL QUASIVARIETIES OF SEMILATTICES WITH A GROUP OF AUTOMORPHISMS

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An $\mathbf{F}$-semilattice is a semilattice expanded by a group $\mathbf{F}$ of automorphisms acting as new unary basic operations. For a fixed group $\mathbf{F}$, the class of $\mathbf{F}$-semilattices forms a variety. The subdirectly irreducible and simple members of this variety, as well as its minimal subvarieties have been described for various groups by Jaroslav Ježek and others. We investigate the minimal quasivarieties of this variety and give complete characterizations in certain cases.

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