

**Darnel, Michael R.**

**Varieties minimal over representable varieties of lattice-ordered groups.** (English)

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A new method of constructing non-representable covers of some representable  $\ell$ -varieties in the lattice of  $\ell$ -varieties  $L$  is defined. Using this method, all non-representable covers of any weakly Abelian  $\ell$ -variety and any representable  $\ell$ -metabelian  $\ell$ -variety are described. Some interesting problems on covers in the lattice  $L$  are posed.

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**MSC:**

06F15 Ordered groups

08B99 Varieties

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**Keywords:**

non-representable covers of representable  $\ell$ -varieties; lattice of  $\ell$ -varieties; weakly Abelian  $\ell$ -variety;  $\ell$ -metabelian  $\ell$ -variety

**Full Text:** [DOI](#)

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