

**Gurchenkov, S. A.**

**On three questions in the theory of  $\ell$ -varieties.** (Russian) [Zbl 0755.06010](#)  
Czech. Math. J. 41(116), No. 3, 405-410 (1991).

A variety of lattice-ordered groups  $\mathcal{V}$  is called divisible if every  $\ell$ -group  $G$  in  $\mathcal{V}$  can be embedded as an  $\ell$ -subgroup in a divisible  $\ell$ -group  $G^*$  in  $\mathcal{V}$ . The main results of the paper are: There is a continuum of non-divisible varieties of nilpotent  $\ell$ -groups. There is a continuum of divisible varieties of nilpotent  $\ell$ -groups. The variety of rigid  $\ell$ -groups has basis rank 2.

Reviewer: [J.Rachůnek \(Olomouc\)](#)

**MSC:**

[06F15](#) Ordered groups

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