

# Existentially closed groups

## Clarendon - Existentially Closed Groups



Description: -

- Composers -- Germany -- Biography.
- Brahms, Johannes, -- 1833-1897.
- Groups, Theory of Existentially closed groups
- London Mathematical Society monographs -- 3 Existentially closed groups
- Notes: Bibliography, p153-154. - Includes index.
- This edition was published in 1988



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Tags: #Existentially #closed #model

### On existentially closed and generic nilpotent groups

We shall try to give a fairly complete account of the theory, but there will be a certain emphasis on classes of nilpotent groups, locally finite groups, and extensions. In other words: If there is a tuple  $a_1, \dots, a_n$  in  $N$  such that  $\varphi(a_1, \dots, a_n, b_1, \dots, b_n)$  holds in  $N$ , then such a tuple also exists in  $M$ .

### Existentially Closed Groups in Specific Classes

Let  $\kappa$  be an infinite cardinal.

**Existentially Closed Groups (London Mathematical Society Monographs): Higman, Graham, Scott, Elizabeth: 9780198535430: vivchar.tom.ru: Books**

We also prove that every countable CSA-group without involutions embeds into a finitely generated one having, up to conjugacy, the same maximal abelian subgroups, except maybe the infinite cyclic ones. We also show that for each regular strong limit cardinal  $\kappa$ , there exists  $\kappa$ -existentially closed groups.

### [2012.15167] Automorphisms of $\$k\$$

Levin, Algebraically closed torsion-free nilpotent groups of class 2, Commun.

### On existentially closed and generic nilpotent groups

From this basis the theory is developed and many of the more recently discovered results are proved and discussed.

### Existentially Closed Groups

The aim is to assist group theorists to find their way into a corner of their subject which has its own characteristic flavour, but which is recognizably group theory. The aim is to assist group theorists to find their way into a corner of their subject which has its own characteristic flavour, but which is recognizably group theory.



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