

Soluble and nilpotent linear groups

American Mathematical Society - COHOMOLOGICAL METHODS IN INFINITE SOLUBLE GROUP THEORY



Description: -

-Soluble and nilpotent linear groups

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Translations of mathematical monographs -- 9Soluble and nilpotent linear groups

Notes: Translation of: Razreshimye i nilpotentnye lineinye gruppy, originally published Minsk: Izd-vo Belgosuniversiteta, 1958.

This edition was published in 1963



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Tags: #Nilpotent #implies #solvable

Nilpotent group

To troubleshoot, please check our , and if you can't find the answer there, please. The derived series is defined as: Note: This is the most convenient definition here.

Nilpotent group

. Note: This is the definition of nilpotent group that is convenient for proving this implication. .

ShieldSquare

Therefore henceforth unless stated otherwise only linear groups over a field will be considered. Equivalently, its is of finite length or its terminates with $\{1\}$. Provide details and share your research! It has nilpotency class 2 with central series $1, ZH, H$.

Two Theorems about Nilpotent Subgroup

Lindenberg, Struktur und Klassifizierung bizyklischer p-Gruppen.

Soluble(solvable) and nilpotent groups

. Finite soluble and nilpotent groups with a restriction on the rank of the centralizer of an automorphism of prime order. Wolf, Solvable and nilpotent subgroups of GL_n, qm .

Nilpotent group

A theory of periodic linear groups was constructed see it turned out that the main structure results of the theory of finite groups cf. Many properties of nilpotent groups are shared by.

Nilpotent metacyclic irreducible linear groups of odd order

Further, the smallest such that is trivial is at most. For any positive integer N , the solvable groups of at most N form a variety of groups, as they are closed under the taking of images, γ_n , and γ_{n+1} . A group whose transfinite derived series reaches the trivial group is called a γ_∞ -group, and every solvable group is a hypoabelian group.

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