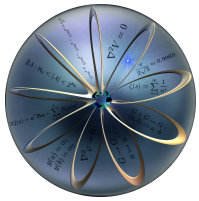

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Chernikov group

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A *Chernikov group* is a group G that has a normal subgroup N such that G/N is finite and N is a direct product of finitely many quasicyclic groups.

The significance of this somewhat arbitrary-looking definition is that all such groups satisfy the minimal condition, and for a long time they were the only known groups with this property.

Chernikov groups are named after `http://www-groups.dcs.st-and.ac.uk/ history/Biograp` Chernikov, who proved that every solvable group that satisfies the minimal condition is a Chernikov group. We can state this result in the form of the following theorem.

Theorem. *The following are equivalent for a group G:*

- *G is a Chernikov group.*
- *G is virtually abelian and satisfies the minimal condition.*
- *G is virtually solvable and satisfies the minimal condition.*