

On minimal covering of a finite nilpotent group by proper normalizers

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Abstract. A *normalizer covering* of G is a covering Γ of G such that all its members are the normalizers of some non-normal subgroups of G . We determine the structure of finite nilpotent groups without a normalizer covering and we determine the size of a minimal normalizer covering of a finite nilpotent group admitting with a normalizer covering.