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Title: On finite groups with metacyclic Sylow p -subgroups

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Let p be a prime and let G be a finite group with metacyclic Sylow p -subgroups. In this paper, we give some structural properties of G when $G/O_{p'}(G)$ is of odd order. As a consequence, we show that G is p -supersoluble if its order is coprime to $p+1$ and has very restricted structure in the case when $p \neq 2$ and its order is coprime to $p-1$.

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