

A note on direct products of solvable $\mathcal{PST}$ groups

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ABSTRACT

In this talk direct products of solvable groups in which Sylow-permutability is a transitive relation are analyzed. Such groups are called $\mathcal{PST}$ groups and it has been shown that if the orders of two $\mathcal{PST}$ groups are relatively prime then their direct product is again a $\mathcal{PST}$ group. Examples suggest that for solvable groups it is not necessary to have relatively prime orders to stay in the class. Some characterizations are provided and also smaller and larger classes of such groups are discussed.

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