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**On sets of pp-generators of finite groups**

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Let  $G$  be a finite group. As in [1], we say that the group  $G$  has *property*  $\mathcal{B}_{pp}$  if all its minimal pp-generating sets have the same size. By a *pp-generating set* we mean a generating set which elements have prime power order. Groups with property  $\mathcal{B}_{pp}$  are called  *$\mathcal{B}_{pp}$ -groups* for short. A group  $G$  is said to have the *pp-basis property* if all its subgroups are  $\mathcal{B}_{pp}$ -groups. We give the classification of finite groups with the pp-basis property as products of  $p$ -groups and precisely described  $\{p, q\}$ -groups.

The talk is based on a common work with J. Krempa (University of Warsaw) [2].

REFERENCES

- [1] J. KREMPA, A. STOCKA, *On some sets of generators of finite groups*, J. Algebra **405** (2014), 122-134.
- [2] J. KREMPA, A. STOCKA, *On sets of pp-generators of finite groups*, Bull. Aust. Math. Soc. **91** (2015), 241-249.