

On hypocritical groups

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A variety of groups is *locally finite* if its finitely generated groups are finite. L. F. Harris [1] introduced the following definition: a group D is called *hypocritical*, if whenever D is in a locally finite variety generated by a set of groups \mathfrak{X} , then D is a section of a group from \mathfrak{X} .

In this talk groups which are an extension of a p -group by a p' -group are considered from the standpoint of hypocriticality. We discuss known facts in the case of an abelian Sylow p -subgroup and state the corresponding result in the case of an extraspecial Sylow p -subgroup of order p^3 .

REFERENCES

- [1] L. F. Harris, *Hypocritical and sincere groups*, Proc. Second Internat. Conf. Theory of Groups **372** (1973), 333-336.

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