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The Bohr topology of discrete non abelian groups

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We look at finitely generated *Bohr groups* $G^\sharp$ (groups G equipped with the topology inherited from their Bohr compactification bG).

Among others, the following results will be discussed:

- every finitely generated group without free non abelian subgroups either contains nontrivial convergent sequences in $G^\sharp$ or is abelian by finite;
- every group containing the free non abelian group with two generators does not have the extension property for finite dimensional representations, therefore, it does not belong to the class $\mathcal{D}$ introduced by Poguntke;
- if G is a countable FC group, then the topology that G' inherits from $G^\sharp$ is profinite and metrizable.