PRODUCTS OF LACUNARY SUBSETS OF A FINITE ABELIAN GROUP

by

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Abstract. Hajós' theorem asserts that if a finite abelian group is a direct product of cyclic subsets, then in fact at least one of the factors must be a subgroup. A cyclic subset is the "front section" of a cyclic subgroup. The paper generalizes the result proving that the same conclusion holds if the factors are consisting of "not connected sections" of a cyclic subgroup provided the number of these sections is "relatively small".

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