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Title: On central Frattini extensions of finite groups

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An extension of a group A by a group G is thought of here simply as a group H containing A as a normal subgroup with quotient H/A isomorphic to G . It is called a central Frattini extension if A is contained in the intersection of the centre and the Frattini subgroup of H . The result of the paper is that, given a finite abelian A and finite G , there exists a central Frattini extension of A by G if and only if A can be written as a direct product $A = U \times V$ such that U is a homomorphic image of the Schur multiplier of G and the Frattini quotient of V is a homomorphic image of G .

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