



Capability of a pair of groups

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Abstract

A group G is called capable if it is the group of inner automorphisms of some group E . Capable pairs are defined in terms of a relative central extension. In this paper we introduce the precise center for a pair of groups and prove that this subgroup makes a criterion for characterizing the capability of the pair. We also show that our result sharpens the obtained result in this area. A complete classification of finitely generated abelian capable pairs will also be given.

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