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Margaret H Dean, Gretchen Ostheimer and Marcos Zyman*, Mathematics Department,
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The *IA*-group of a group G is the kernel of the natural homomorphism from $\text{Aut}G$ to $\text{Aut}(G/G')$. We discuss some results involving the structure of the *IA*-group of the wreath product of a finitely generated free abelian group by another. Using Magnus' embedding, we also relate these results to the *IA*-group of a free metabelian group. (Received September 22, 2010)