

Title: A note on the exterior centralizers and the probability of commuting pairs

Author(s): Bernardo G. Rodrigues and Francesco G. Russo

We show two structural results for the subclass of FC^\wedge -groups, belonging to the well-known class of groups with finite conjugacy classes (i.e., FC -groups). We focus on linear FC^\wedge -groups and on the notion of exterior centralizer in the nonabelian exterior square of groups. Final comments show the relevance of FC^\wedge -groups and FC -groups in the theory of commuting probabilities of topological groups.

Address:

Bernardo G. Rodrigues
Department of Mathematics
and Applied Mathematics
University of Pretoria
Hatfield 0028
South Africa

Address:

Francesco G. Russo
Department of Mathematics
and Applied Mathematics
University of Cape Town
Private Bag X1, 7701, Rondebosch
Cape Town
South Africa

and

Department of Mathematics
and Applied Mathematics
University of the Western Cape
New CAMS Building, Private Bag X17, 7535
Bellville
South Africa